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ECHINODERMA

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A. G. BRIGHTON, M.A.

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Breynia p. 128 with *B. australasiae* p. 132 figs. 64, 67, 69a, 70a, 71a–b, 74, pl. x figs. 1–5, pl. xi fig. 2, pl. xii figs. 8–9, 11, 13, pl. xiv figs. 3–5, pl. xlix figs. 1–5, 20, 25–30, 32, *desorii* p. 139 fig. 70b, pl. xi figs. 3–5, pl. xii figs. 1, 7, 12, pl. xiv figs. 1–2, 6–7, pl. xlix fig. 21, *elegans* p. 142 figs. 63, 68, 69b, 71c, 72–73, pl. xi figs. 1, 6–7, pl. xiv fig. 10, pl. xlix figs. 6, 8, 22, 31, *vredenburgi* p. 145, *B.* sp. p. 138 pl. xlix figs. 9, 11, MORTENSEN 191.

†*Breynia*, discussion of fossil spp., MORTENSEN 191 p. 129.

Brissaster p. 280 with *B. capensis* p. 286 pl. xxv figs. 4–10, *fragilis* p. 283 pl. xxxiii figs. 1, 16–19, *kerquelenensis* p. 294 pl. xxv figs. 11–14, pl. liii figs. 20, 28, *latifrons* p. 289 pl. xxxiii figs. 2–3, 9, pl. liii fig. 16, *moseleyi* p. 292 pl. liii figs. 6, 8–9, 13, *owstoni* p. 291 pl. xxxiii figs. 7–8, 11–15, pl. liii figs. 11, 14, 17–19, *townsendi* p. 288 pl. xxiv figs. 1–2, 9–19, pl. liii figs. 21–27, MORTENSEN 191.

†*Brissaster* see *Schizaster*.

†*Brissoides camagüeyanus* Oligocene pp. 206–207 pl. xxv fig. 1, *habanensis* Oligocene pp. 204–205 pl. xxxiii fig. 4, *lajasensis* Oligocene pp. 203–204 pl. xxiv fig. 1, *minutus* Oligocene p. 205, *palmeri* Oligocene pp. 205–206 pl. xxv figs. 4–5, *sanchezi* Lambert [ms.] Oligocene p. 211 pl. xxiv figs. 2–3, *stefaninii* Eocene pp. 207–208 pl. xxxiii fig. 1, spp. n. Cuba, ROIG Paleont. Cubana 1 1949; *almerai* p. 203, *antillarum* p. 201, *brevipetalum* p. 199, *carolinensis* p. 208, *cubensis* p. 200, aff. *depressus* p. 209, *floridanus* p. 202, aff. *formosus* p. 210, *grandiflorus* p. 208, *herrerae* p. 196, *muñozii* p. 197, Id.—*B. minutus*, ROIG 249 p. 64 pl. xxxix figs. 12–13.

†*Brissoides* (section *Spatangomorpha*) *santanæ* sp. n. Oligocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 210–211 pl. xxv figs. 2–3.

†*Brissolampas santanæ* sp. n. Oligocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 190–191 pl. xxii figs. 3–4.

†*Brissoma habanensis* sp. n. Oligocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 224–225 pl. xxxv figs. 3–4; *antillarum*, Id. p. 223.

†*Brissopatagus* with *B. caumonti*, MORTENSEN 191 p. 453.

†*Brissopatagus* see *Eupatagus*.

†*Brissopneustes danicum*, possible apicad marsupium, MORTENSEN 191 p. 577.

Brissopsis jarlhi sp. n. Tropical West Africa, MORTENSEN Atlantide Report No. 2 pp. 302–303 fig. 1, pl. i figs. 1–3; *atlantica*, Id. p. 301 pl. i fig. 4, pl. i figs. 1–2.—*B.* p. 371 with *B. alta* p. 390 figs. 184b, 185b, 187b, 188b, 190a, pl. lvii fig. 21, *atlantica* p. 415 fig. 199b, pl. xxxi fig. 11, pl. lix fig. 7 with var. *mediterranea* p. 419 fig. 199a, *B. bengalensis* p. 412 pl. xxx fig. 6, pl. xxxi figs. 1–2, 4, pl. xxxiii figs. 1–3, pl. lix figs. 8–9, 14–15, *columbaris* p. 392 pl. xxxi fig. 12, pl. xxxii fig. 18, pl. xxxix figs. 7–8, pl. lvii fig. 16, pl. lviii fig. 4?, pl. lix figs. 2–3, *elongata* p. 424 figs. 184c, 185c, 196b, 202a, 203a, pl. lvii fig. 1, *evanescens* p. 429 figs. 205–207, pl. xxii figs. 1–5, pl. lix fig. 11, *jarlhi* p. 431 pl. lvii figs. 8–9, 11, 13–14, 18–20, *luzonica* p. 397 figs. 190b, 192, 194a, 195, 196a, 199c, pl. xxxii figs. 2–4, 12–14, 19, 21, pl. xxxix fig. 12, pl. lvi figs. 2, 4–5, 8–11, 13–15, 18–29, *lyrifera* p. 380 figs. 184a, 185a, 186, 187a, 188a, 189, pl. xxx figs. 4, 7–12, pl. xxxii figs. 20, 22, pl. lvii fig. 15 with var. *capensis* p. 387 pl. xxx figs. 1–3, 13, pl. xxxii fig. 15, *B. micro-petala* p. 406 figs. 184d, 197, 198b, pl. xxx fig. 5, pl. xxxi fig. 8, pl. xxxii fig. 1, pl. xxxiii figs. 4–6, pl. lvii figs. 2–5, 10, pl. lix fig. 21, *obliqua* p. 427 figs. 193, 194d, 196c, 202b, 203b, 204, pl. xxxii figs. 6–11, 17, pl. lvii fig. 6, pl. lix figs. 10, 12–13, 20, *oldhami* p. 409 fig. 198a, pl. xxxi fig. 10, pl. lviii figs. 1–3, 5–20, *pacifica* p. 420 figs. 194e, 200–201 pl. xxxii fig. 16, pl. xxxiv figs. 6–10, pl. lvi figs. 1, 3, 6–7, 12, 16–17, *parallela* p. 415, *persica* with var. *elevata* p. 432, *similis* p. 404 figs. 194b, 196d, pl. xxvi fig. 10,

pl. xxxi figs. 3, 9, pl. xxxii fig. 5, pl. lvii figs. 7, 12, pl. lix figs. 4-6, 16-19, *zealandiae* p. 395 figs. 185d, 188c, 191, 194c, 203c, pl. xxxi figs. 5-7, pl. lvii fig. 17, pl. lix fig. 1, MORTENSEN 191.

†*Brissopsis*, discussion of spp., MORTENSEN 191 p. 377.—*B. jimenoi*, ROIG 248 p. 225.

Brissus Gray 1825, decision to place on "Official list of generic names in Zoology" with type *Spatangus brissus* var. *unicolor* Leske 1778 1 p. 527.—*B.* p. 505 with *B. gigas* p. 518, *latecarinatus* p. 514 fig. 264, pl. xxxiii fig. 8, pl. xxxiv figs. 3-5, pl. lxiii figs. 8-10, 22, 25-26, *obesus* p. 518 pl. lxiii figs. 3, 7, 11-12, *unicolor* p. 509 fig. 263, pl. xxxviii fig. 10, MORTENSEN 191.

†*Brissus*, discussion of spp., MORTENSEN 191 p. 508.—*B. brissus* p. 235, *camagueyensis* p. 234, *sagrae* p. 233, ROIG 248.

Brissus (*Allobrissus*) p. 520 with *B. (A.) agassizii* p. 520 pl. xxxiii fig. 7, pl. xxxiv fig. 2, pl. xxxv figs. 1, 6-8, pl. lxii figs. 9-10, 12, 16-21, 23-28, *meridionalis* p. 522 pl. xxxiv fig. 1, pl. xxxv figs. 2-5, pl. lxii fig. 22, pl. lxiii figs. 1-2, 4-6, 24, MORTENSEN 191.

†*Bunactis* see *Clypeaster*.

†*Cardiaster palmeri* sp. n. Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 pp. 172-173 pl. v figs. 3-5; *cubensis*, ID. p. 171.

†*Cassidulus* cf. *daradensis*, GORODISKI 106 p. 325 pl. i figs. 5-6.

†*Cassidulus* (*Pygorrhynchus*) *riveroi* sp. n. Oligocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 125-126 pl. xvii fig. 1.

†*Cassidulus* (*Rhynchopygus*) *depressus*, ROIG 248 p. 141.

†*Catopygus jeanneti* p. 130, *rodriguezi* p. 131, ROIG 248.

Centrostephanus longispinus, MORTENSEN 192 p. 296.

†*Centrostephanus habanensis*, ROIG 248 p. 32.

†*Cestobrissus* with *C. lorioli*, MORTENSEN 191 p. 349.

†*Chuniola* with *C. carolinae*, MORTENSEN 191 p. 146.

†*Cidaris aculeata* sp. n. p. 10 pl. i fig. 8, *dorsata coronata* var. n. p. 8 pl. ii fig. 20, *dorsata jugulata* var. n. pp. 7-8 pl. ii figs. 15-19, *magna* sp. n. p. 5 pl. ii fig. 26a,

pyramidalis sp. n. p. 10 pl. ii fig. 25, *raibbiana capitata* var. n. p. 9 pl. i figs. 9-10, pl. ii figs. 11-14, *scrobiculata rumerlensis* var. n. p. 6 pl. i figs. 3-5, *staulinensis* sp. n. p. 6 pl. ii fig. 30, *trigona cuspidata* var. n. p. 7 pl. i fig. 6, *zardinii* sp. n. p. 9 pl. ii figs. 21-24, 26b, Trias Italy, LEONARDI & LOVO Studi Trentini 27; *C. crenulata* n.f. [sic] p. 6 pl. ii figs. 27-29; *C. pusilla* n.f. [sic] p. 8 pl. i fig. 7, ID.—*C. assulaeformis* sp. n. Oligocene Italy, MALARODA Mem. Mus. Stor. nat. Verona 2 pp. 158-159 pl. ii figs. 6-7, 11-13; *munsteri* p. 157, *subcylindrica* p. 157 pl. ii figs. 5, 8-10, *C. sp.* p. 159 pl. ii figs. 14-16, ID.—*C. cubensis* p. 24, *foveata* p. 26, *loveni* p. 25, *melitensis* p. 26, *peloria* p. 26, *tribuloides* p. 25, ROIG 248.

[*Cidarites* (*Phyllacanthus*)] *dubius* Brandt 1835 placed on "Official list of specific trivial names in Zoology" 1 p. 522.

Cionobrissus p. 433 with *C. revinctus* p. 434 figs. 208-211, pl. lxiv figs. 14, 23, MORTENSEN 191.

†*Cionobrissus*, discussion of spp., MORTENSEN 191 p. 434.

Clypeaster micropetalus p. 761, *rangianus* p. 761 fig., DUVAL 81.—*C. australasiae*, POPE 233 p. 145 fig.

†*Clypeaster chiapasensis* sp. n. Lower Tertiary Mexico, MULLERIED Rev. Soc. mex. Hist. nat. 12 pp. 211-216 figs. 1-3; *C. chiapasensis* juv. p. 220 figs. 4-6, ID.—*C. brodermanni* Oligocene pp. 74-75 pl. ix figs. 1-3, *canimarensis* Palmer ms. Pleistocene p. 78, *maribonensis* Pleistocene p. 77 pl. ix figs. 6-7, *ovatus* Palmer ms. Oligocene pp. 73-74, *sanrafaelensis* Palmer ms. Oligocene p. 75, spp. n. Cuba, ROIG Paleont. Cubana 1 1949; *antillarum* p. 66, *batheri* p. 67, *caudatus* p. 80 pl. x fig. 2, *concavus* p. 68, *cotteaui* p. 68, *cryptopetalus* p. 76, *cubensis* p. 69, *dalli* p. 79, *lanceolatus* p. 70, *oxybaphon* p. 81, *parrae* p. 71, *parvus* p. 73, *placentoides* p. 76, *planipetalum* p. 72, aff. *rogersi* p. 82 pl. viii fig. 4, *rosaceus* p. 78, *subdepressus* p. 82, ID.—*C. moronensis* sp. n. Oligocene-Miocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20 pp. 41-42 pl. xxiii fig. 1, pl. xxiv fig. 1.

†*Clypeaster* (Section *Bunactis*) *sandovali* sp. n. Miocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 89-90 pl. xiii figs. 1-2; *sanchezi*, ID. p. 87.

†*Clypeaster* (Section *Coronanthus*) *palmeri* Miocene p. 85, *pinarensis* Lambert & Roig Miocene p. 86 pl. xii figs. 1-2, *polygonalis* Miocene pp. 84-85 pl. vii figs. 1-2, *tenuicoronae* Palmer [ms.] Oligocene p. 87 pl. xiv fig. 3, *spp. n.* Cuba, ROIG Paleont. Cubana 1 1949.

†*Clypeaster* (Section *Laganidea*) *planus* *sp. n.* Oligocene Cuba, ROIG Paleont. Cubana 1 1949 p. 93 pl. ix figs. 4-5.

†*Clypeaster* (*Palaeanthus*) *profundus*, PINAR 232 p. 46.

†*Clypeaster* (Section *Paratinanthus*) *densus* Oligocene pp. 90-91 pl. xi figs. 1-3, *profundus* Miocene pp. 91-92 pl. vi figs. 1-3, *spp. n.* Cuba, ROIG Paleont. Cubana 1 1949; *platygaster*, *Id.* p. 92.

†*Clypeaster* (Section *Plyophima*) *elevatus* *sp. n.* Miocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 83-84 pl. viii figs. 1-3, pl. x fig. 1; *abruptus*, *Id.* p. 83.

†*Clypeaster* (*Tholeopelta*) *hernandezii* *sp. n.* Oligocene Cuba, ROIG Paleont. Cubana 1 1949 p. 94 pl. 1 figs. 1-2.

†*Clypeopyqus* *habanensis*, ROIG 248 p. 128.

†*Codiopsis* *ciae*, ROIG 248 p. 49.

Colobocentrotus (*Podophora*) *atratus*, TORTONESE 314 p. 40.

†*Conoclypeus* *sanctispiritisensis* *sp. n.* Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 p. 63 pl. xxi figs. 5-6; *cretacicus*, *Id.* pl. xxi figs. 3-4.

†*Conulus* *cubensis* *sp. n.* Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 pp. 58-59; *antillensis*, *Id.* p. 59.—*C. cubensis*, ROIG 249 p. 64 pl. xl figs. 2-4.

†*Coraster* *madrugensis*, ROIG 248 pl. xxxv figs. 5-6.

Coronanthus see *Clypeaster*.

†*Cossmannaster* *hemisphaericus*, ROIG 248 p. 144.

†*Cravenechinus* *uniserialis*, MORTENSEN 191 p. 552.

Cyclaster *recens* p. 443 figs. 216-218, pl. xxvi figs. 1-3, MORTENSEN 191.

†*Cyclaster* *brodermanni* *sp. n.* Eocene Cuba, ROIG Paleont. Cubana 1 1949 p. 221 pl. xxxv figs. 1-2; *jacksoni* p. 219, *sanchezi* p. 218, aff. *sterea* p. 222, *Id.*—*C. with C. declivus*, MORTENSEN 191 p. 441.

†*Cylindrolampas* see *Echinolampas*.

†*Cypholampas* see *Echinolampas*.

†*Deakia* see *Macropneustes*.

Dendraster *excentricus*, JOHNSON & JOHNSON 141 p. 80 figs. 18-28.

Diadema Gray 1825, placed on "Official list of generic names in Zoology" with type *Echinometra setosa* Leske 1778 1 p. 384.

†*Diadema* *principeana*, ROIG 248 p. 33.

†*Diplodetus* with *D. brevistella*, MORTENSEN 191 p. 370.

†*Diplodia* *cretácica* *sp. n.* Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 p. 35 pl. i figs. 10-11.—*D. halperti* p. 9 pl. i figs. 10-12, *inexpectata* p. 2 pl. i fig. 13, CHECCHIA-RISPOLI 36.

Diploporaster p. 239 with *D. barbatus* figs. 121-122, 142b, pl. xxv figs. 1-3, pl. liii figs. 1, 3-5, 7, 10, 12, 15, *D. ? savigny* p. 241 fig. 142c, MORTENSEN 191.

†*Discoides* *pulvinatus*, ROIG 248 p. 57.

†*Dorocidaris* see *Phyllacanthus*.

†*Echinanthus* *issyaviensis*, PINAR 232 p. 45.—*E. antillarum* p. 143, *parallelus* p. 142, ROIG 248.

Echinarachnius Gray 1825, placed on "Official list of generic names in Zoology" with type *Scutella parma* Lamarck 1816, 1 p. 535.

†*Echinarachnius* (*Scaphechinus*) *raretalis* *sp. n.* Miocene Japan, NISIYAMA Res. Bull. Saito Ho-on Kai Mus. No. 21 pp. 3-5 figs. 1-3.

†*Echinobrissus* *cubensis*, ROIG 248 p. 127 pl. xxxvi figs. 7-8.

Echinocardium Gray 1825, placed on "Official list of generic names in Zoology" with type *Echinus cordatus* Pennant 1777, 1 p. 527.—*E.* p. 149 with *E. capense* p. 160, *connectens* p. 160, *cordatum* p. 152 pl. xviii figs. 1-3, 6-8, *flavescens* p. 158, *keiense* p. 165 pl. xviii figs. 4-5, pl. xlv figs. 4, 6-7, 9, 11, *laevigaster* p. 161, *lymani* p. 164, *mediterraneum* p. 162, *mortenseni* p. 161, *pennatifidum* p. 163, MORTENSEN 191.

†*Echinocardium*, discussion of fossil *spp.*, MORTENSEN 191 p. 151.

†[*Echinocerus*] *scutatus* Knorr 1768, a reputed but non-existent name, request to place on "Official index of rejected and invalid specific and trivial names in Zoology," ENGEL 83.

†*Echinocorys sulcatus hanna* subsp. n. Cretaceous Germany, KÖSTER Geol. Fören. Stockh. Förh. 72 1950 pp. 440–452 figs. 1–3; *E. sulcatus*, Id. p. 437 fig. 4.—*E. ovatus* with *cubensis* pp. 175–176 pl. iv figs. 3–4, and *villarensis* p. 176 pl. xxi figs. 1–2 subsp. n. Cretaceous Cuba, ROIG Paleont. Cubana 1 1949.

Echinocyamus van Phelsum 1774, placed on "Official list of generic names in Zoology" with type *E. pusillus* Müller 1776, [E.] *pusillus* Müller 1876 placed on "Official list of specific trivial names in Zoology," 1 p. 519.

†*Echinocyamus avilensis*, ROIG 248 p. 63.

Echinodiscus Leske 1778, placed on "Official list of generic names in Zoology" with type *E. bisperforatus* Leske 1778, [E.] *bisperforatus* Leske 1778 placed on "Official list of specific trivial names in Zoology," 1 p. 535.—*E. auritus, bisperforatus*, GRAVELY 107 p. 90 figs. 3–4.

†*Echinogalerus bochotnicensis* sp. n. Cretaceous Poland, KONGIEL Acta Geol. Polonica 1 1950 pp. 316–317, 323–324 pl. ii figs. 1–4.

Echinolampas sp., GRAVELY 107 p. 91 fig. 31.

†*Echinolampas caranoi* pp. 29–30 pl. ii fig. 2, *migiurtinus* pp. 24–26 pl. i fig. 2, *migliorinii* pp. 28–29 pl. ii fig. 1, spp. n. Eocene N. Africa, CHECCHIA-RISPOLI Boll. Uff. geol. Ital. 70 1950; *frassi*, Id. p. 26 pl. ii fig. 3.—*E. santa clarae* sp. n. Oligocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20 pp. 55–56 pl. xxxii figs. 1–2.—*E. anceps* p. 328, *cuvillieri* p. 329, GORODISKI 106.—*E. affinis* p. 42, *burdigalensis* p. 43, *calvimontanus* p. 44, *escheri* p. 41, *politus* p. 41, PINAR 232.—*E. camagüeyensis* p. 148, *lycopersicus* p. 146, ROIG 248.

†*Echinolampas* (Section *Cylindrolampas*) *clevei*, ROIG 248 p. 156.

†*Echinolampas* (Section *Cypholampas*) *anguillae* p. 155, *castroi* p. 154, ROIG 248.

†*Echinolampas* (Section *Macrolampas*) *hemisphericus* var. *cubensis* var. n. Palmer [ms.] Miocene pp. 149–150, *E. umbella* sp. n. Palmer [ms.] Oligocene pp. 151–152, Cuba, ROIG Paleont. Cubana 1 1949; *semitorbis*, Id. p. 150.—*E. (M.) baldaccii*, PINAR 232.

†*Echinolampas* (Section *Miolampas*) *cojimarensis* sp. n. Oligocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 152–153 pl. xix figs. 4–5; *nuevitasensis*, Id. p. 153.

†*Echinolampas* (Section *Paleolampas*) *muñoz* sp. n. Oligocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 157–158 pl. xix figs. 1–3; *mestrei*, Id. p. 158.

†*Echinolampas* (*Progonolampas*) *sanchezi* sp. n. Oligocene Cuba, ROIG Paleont. Cubana 1 1949 p. 159 pl. xix figs. 6–7.

[*Echinometra*] *setosa* Leske 1778, placed on "Official list of specific trivial names in Zoology," 1 p. 385.

Echinometra mathaei violacea, TORTONESE 314 p. 39.

†*Echinometra prisca*, ROIG 248 p. 48.

†*Echinoneus cyclostomus* p. 118, *orbicularis* p. 119, *sanchezi* p. 117, ROIG 248.

†*Echinospatagus hofmanni*, MÜLLER 204 p. 131 fig. 77.

[*Echinus*] *cordatus* Pennant 1777, *dröbackiensis* Müller 1776, placed on "Official list of specific trivial names in Zoology," 1 pp. 522, 528.—[E.] *placenta* Linnaeus 1758, placed on "Official list of specific trivial names in Zoology," 1 p. 535.—[E.] *radiatus* Gmelin 1790, request to place on "Official index of rejected and invalid specific trivial names in Zoology," ENGEL 83.

†*Ellipsechinus palmeri* sp. n. Lambert ms. Pleistocene? Cuba, ROIG Paleont. Cubana 1 1949 pp. 46–47 pl. ii figs. 5–6.—*E. lacunter*, ROIG 269 p. 64 pl. xl fig. 5.

†*Encope ciae* p. 116, *wiedenmayeri* p. 117, ROIG 248.

Eupatagus p. 456 with *E. lymani* p. 472, *micropetalus* p. 474 figs. 220b, 243–245, pl. lxi fig. 14, *obscurus* p. 473, *rubellus* p. 470 figs. 238, 240, 242b–c, pl. xxvii figs. 4–5, 11, pl. lx figs. 12, 15, 17, 23, 29, *valenciennesi* p. 466 figs. 229, 236–237, 239, 241, 242a, pl. xxvii figs. 1–3, 6–7, pl. lx figs. 20–22, 24, 27, MORTENSEN 191.

†*Eupatagus*, discussion of spp., MORTENSEN 191 p. 460.—*E. siboneyensis*, ROIG 248 p. 213.

†*Eupatagus* (*Brissopatagus*) *avilensis* sp. n. Oligocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20 pp. 45–46 pl. xxxiii figs. 2–3.

†*Eupatagus* (*Gymnopatagus*) *brevipetatum* pp. 44–45 pl. xxxiii fig. 1, pl. xxxviii fig. 1, *rogasi* p. 42 pl. xxxiv fig. 3, *venturillae* p. 43 pl. xxvi figs. 1–2, *zanolletti* pp. 43–44 pl. xxxii fig. 3, **spp. n.** Oligocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20.

†*Eupatagus* (*Plagiobrissus*) *herrerae* pp. 46–47 pl. xxv figs. 1–2, *santanæ* pp. 47–48 pl. xxxvii fig. 2, **spp. n.** Oligocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20.

†*Eurhodia corralesi* **sp. n.** Eocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20 p. 61 pl. xxxiii figs. 4–5.

Eurypatagus parvituberculatus, MORTENSEN 191 pl. xii fig. 3.

Euspatangus rogeri **sp. n.** Eocene Turkey, PINAR Bull. Soc. géol. Fr. 6 1 47–49 fig. 8, pl. ib figs. 4–5.

Faorina p. 243 with *F. chinensis* p. 245 figs. 123–125, pl. xx figs. 1–8, pl. lii figs. 8, 10–11, 14, 16–17, 20, 23–27, MORTENSEN 191.

Fibularia Lamarck 1816, placed on "Official list of generic names in Zoology" with type *Fibularia ovulum* Lamarck 1816, [*F.*] *ovulum* Lamarck 1816 placed on "Official list of specific trivial names in Zoology," 1 p. 519.

†*Fibularia minuta* **sp. n.** Palmer ms. Eocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 64–65; *macrostoma*, Id. p. 64.

†*Fourtaunia* with *F. santamariai*, MORTENSEN 191 p. 548.

†*Galeraster terkosensis* **sp. n.** Eocene Turkey, PINAR Bull. Soc. géol. Fr. 6 1 pp. 38–40 figs. 3, 5–6, pl. ib fig. 1.

†*Galerolampas murardi* **sp. n.** Eocene Senegal, GORODISKI Bull. Mus. Hist. nat. Paris (2) 23 pp. 323–325 pl. i figs. 8–9.

†*Gauthieria* ? *pseudoradiata*, KONGIEL 145 pp. 314, 322 pl. i figs. 5–8.—*G. sanchezi*, ROIG 248 p. 45.

Gonimaretia, MORTENSEN 191 p. 55.

Goniocidaritis tubaria, POPE 233 p. 145 fig.

†*Goniocidaritis habanensis* Eocene pp. 30–31 pl. i fig. 5, *holguinensis* Oligocene p. 31, **spp. n.** Cuba, ROIG Paleont. Cubana 1 1949.

†*Goniopygus madrugensis* pp. 53–54 pl. ii figs. 11–12, *jeanneti* pp. 54–55 pl. ii figs. 7–8, **spp. n.** Cretaceous Cuba, ROIG

Paleont. Cubana 1 1949; *ameri* p. 51, *sanchezi* p. 52, *supremus* p. 50, Id.

†*Granobrissoides* with *G. australiae*, MORTENSEN 191 p. 367.

Granopatagus see *Spatangus*.

Gualtieria with *G. orbignyana*, MORTENSEN 191 p. 365.

†*Gymnocidaritis gortanii* **sp. n.** Jurassic N. Africa, MACCAGNO Boll. Uff. geol. Ital. 70 1950 pp. 95–96 pl. ii fig. 15.

Gymnopatagus p. 446 with *G. magnus* p. 447 figs. 219, 220a, pl. xxvi figs. 7–9, pl. xxvii figs. 8–10, pl. lxi figs. 19–26, *valdiviae* p. 447, MORTENSEN 191.

†*Gymnopatagus* see *Eupatagus*.

†*Habanaster sanchezi*, ROIG 248 p. 177.

†*Haimea camagüeyana* pp. 122–123 pl. l figs. 6–7, *globulosa* p. 124, *pusilla* p. 123, *truncata* p. 124 pl. l figs. 8–9, **spp. n.** Eocene Cuba, ROIG Paleont. Cubana 1 1949; *alta*, Id. p. 121.—*H. meunieri*, GORODISKI 106 p. 327 pl. i figs. 10–12.—*H. globulosa* p. 124 pl. xxxix figs. 8–9, *pusilla* p. 64 pl. xxxix fig. 1, ROIG 249.

†*Hebertia calvachei* **sp. n.** Cretaceous Cuba p. 40 pl. iii figs. 1–2, *jacksoni* **sp. n.** Lambert Oligocene Cuba p. 39 pl. ii figs. 9–10, ROIG Paleont. Cubana 1 1949.

"*Hemiaster*" *florigerus*, MORTENSEN 191 p. 217.

†*Hemiaster lamberti* **sp. n.** Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 pp. 238–239 pl. xxxv figs. 7–8; *madrugensis* p. 236, *siboneyensis* p. 237, Id.—*H. bufo* p. 697 fig. 2, *longus* p. 703 fig. 4, *meslei* var. *major* p. 701 fig. 4, ZOEKE 344.

†*Hemiaster* (section *Integraster*) *globulosus* **sp. n.** Oligocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 240–241 pl. xlii figs. 11–13; *dewalquei*, Id. p. 239.

†*Hemicidaritis palmirensis* **sp. n.** Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 pp. 34–35 pl. i figs. 8–9.—*H. cf. greppini*, JEANNET 137 p. 178 pls. i–ii.—*H. crenularis*, MATHIEU 173 p. 36 pl. iii figs. 2–4.

†*Hemicidaritis* (*Hypodiadema*) *gregoryi*, MACCAGNO 168 p. 96 pl. i fig. 7, pl. ii fig. 16.

†*Hemifaorina* with *H. tuber*, MORTENSEN 191 p. 350.

†*Hemigymnia* with *H. aturica*, MORTENSEN 191 p. 350.

Hemimaretia p. 52 with *H. elevata* p. 53 figs. 23-24, pl. i fig. 4, pl. xlv figs. 5-7, 21, MORTENSEN 191.

†*Hemipatagus cartagensis* sp. n. Eocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 216-217.

†*Hemipolina abreusense* sp. n. Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 pp. 36-37.

†*Hemipneustes* Agassiz 1836, request to place on "Official list of generic names in Zoology," ENGEL 83.

†*Hernandezaster* gen. n. with *H. hernandezi* sp. n. Oligocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 211-213 pl. xxxiii figs. 3-5.

†*Herreraaster* gen. n. p. 52 for type *H. herrerae* sp. n. p. 53 pls. xxx-xxxi Oligocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20.

†*Heteraster checchiai* sp. n. Cretaceous Italian Somaliland, ALBERTI Boll. Off. geol. Ital. 70 1950 pp. 133-135 figs. 1-12.

Heterocentrotus trigonarius, TORTONESE 314 p. 40.

†*Heterodiadema libycum*, CHECCHIA-RISPOLI 36 p. 6 pl. i figs. 1-9.

†*Hikelaster* with *H. tuberculatus*, MORTENSEN 191 p. 476.

†*Histocidaris sanchezi*, ROIG 248 p. 23.

†*Holactypus decoratus* sp. n. Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 p. 56 pl. i figs. 6-7.

†*Homoeopetalus* with *H. axiologus*, MORTENSEN 191 p. 549.

†*Hypodiadema* see *Hemicidaris*.

Hypseleraster p. 312 with *H. affinis* p. 321 figs. 146-148, pl. xxii figs. 8-13, pl. lii figs. 12-13, 15, 18-19, *brachypetalus* p. 320, *dolosus* p. 319 figs. 143b, 145, pl. xxii fig. 6, *fragilis* p. 321, *jukesii* p. 315 pl. xxii figs. 14-17, pl. lii figs. 2, 9, 21-22, *kempii* p. 320, *limicolus* p. 314 figs. 143a, 144, *maximus* p. 321, *rotundus* p. 315, MORTENSEN 191.

Idiobryssus with *I. coelus*, MORTENSEN 191 p. 546.

†*Integraster* see *Hemiaster*.

†*Isomicraster stolleyi*, MORTENSEN 191 p. 565.

†*Jacksonaster depressus* p. 108 pl. xvi figs. 6-7, *remediensis* pp. 106-107 pl. xvi fig. 5, *sandiegensis* pp. 107-108 pl. xvi figs. 3-4, spp. n. Eocene Cuba, ROIG Paleont. Cuba 1 1949; *acunai* p. 102 with var. *nuevitasensis* p. 104, *J. cubensis* p. 105, *sanchezi* p. 101, *torrei* p. 104, Id.

†*Kleinia pulchra* sp. n. Eocene N. Africa, CHECCHIA-RISPOLI Boll. Off. geol. Ital. 70 1950 pp. 31-32 pl. ii fig. 4.

†*Laevipatagus* with *L. bigibbus*, MORTENSEN 191 p. 80.

†*Laganidea* see *Clypeaster*.

†*Laganum lamberti* pp. 108-109 pl. xvi fig. 2, *santanai* pp. 109-110 pl. xv figs. 1-2, spp. n. Oligocene Cuba, ROIG Paleont. Cubana 1 1949; *crustuloides* p. 110, *cubanum* p. 111, Id.

†*Lajanaster hernandezi* sp. n. Oligocene Cuba, ROIG Paleont. Cubana 1 1949 p. 195 pl. xxiii figs. 2-3; *jacksoni*, Id. p. 193 pl. xxvi fig. 1, pl. xxvii fig. 1.—*L. guevarai* pp. 53-54 pl. xxiv figs. 2-4, *venturillae* pp. 54-55 pl. xxv figs. 3-4, spp. n. Oligocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20.—*L.* with *L. jacksoni*, MORTENSEN 191 p. 504.

†*Lanieria lanieri*, ROIG 248 p. 61.

†*Leiocidaris cojimarensis* Lambert & Roig sp. n. Miocene p. 31, *madrugensis* [ascribed in text to *Dorocidaris*] sp. n. Cretaceous p. 32 pl. i figs. 2, 4, *spindentatus* sp. n. Palmer [ms.] Oligocene p. 32 pl. i fig. 3, Cuba, ROIG Paleont. Cubana 1 1949.

†*Leiopedina cienagensis* sp. n. Eocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 42-43 pl. iii figs. 3-4.

†*Leiosoma guadalupense* sp. n. Eocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 48-49 pl. ii figs. 3-4.

†*Lepidesthes formosa* sp. n. Carboniferous Morocco, TERMIER & TERMIER Notes Mem. Serv. Carte géol. Maroc 79 1950 pp. 99, 102 pl. cxxxi fig. 21.

†*Leptarbacia andreui* sp. n. Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 pp. 35-36 pl. ii figs. 1-2.

Linthia ? sp., MORTENSEN 191 p. 237 fig. 118, pl. xix fig. 3.

†*Linthia mortenseni* sp. n. pp. 36-38 pl. i fig. 4 with var. *depressa* var. n. p. 38 pl. i fig. 5, Eocene N. Africa, CHECCHIA-RISPOLI Boll. Off. geol. Ital. 70 1950.—

L. aguayoi Oligocene pp. 265–266 pl. xlviii figs. 1–2, pl. xlix fig. 1, *alta* Cretaceous pp. 266–267 pl. xlix figs. 3–5, *avilensis* Cretaceous p. 264 pl. xxxii figs. 2–3, *brodermanni* Cretaceous pp. 263–264 pl. xlix figs. 2–4, *cretácica* Cretaceous pp. 264–265 pl. xlvii figs. 1–3, *spp. n.* Cuba, ROIG Paleont. Cubana 1 1949; *catalinensis* pl. xlviii fig. 5, *minuta* pl. xlviii figs. 3–4, *variabilis*, Id. p. 268.—*L. atolladosae* *sp. n.* Eocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20 pp. 59–60 pl. xxxiv figs. 1–2; *avilensis*, Id. p. 64 pl. xl fig. 8.—*L.* with *L. insignis*, MORTENSEN 191 p. 233.

Lissospatangus p. 480 with *L. dyscritus* p. 484, *hirsutus* p. 481 figs. 250–252, pl. xxviii figs. 1–2, 5–6, pl. lxi figs. 1–8, MORTENSEN 191.

†*Loriolella ludovicii*, BELLERIO 15 p. 77 fig. 1.

Lovenia p. 89 with *L. camarota* p. 110, *cordiformis* p. 104 fig. 48b, pl. ix figs. 1–6, pl. xii figs. 2, 6, 10, pl. xlvii figs. 1–9, pl. xlviii fig. 17, *döderleini* p. 116 figs. 48c, 56c, 58a, pl. xiii figs. 1–3, 9–12, 23, pl. xlviii figs. 4–5, 8–9, 11, 15–16 with var. *acuminata* p. 119 pl. xiii figs. 4, 22, *L. elongata* figs. 41a, 42, 48a, 49–52a, 53a, pl. vii figs. 1–10, pl. viii fig. 1, pl. xii fig. 5, pl. xlvii figs. 10–23, *gregalis* p. 120 figs. 41b, 58b, 59, 60a–b, pl. ix figs. 7–9, pl. xii fig. 4, pl. xlviii figs. 12–14, 18–19, 21–23, *grisea* p. 126, *hawaiiensis* p. 108 fig. 52b, pl. xiii figs. 24–30, pl. xlviii figs. 2, 6–7, *subcarinata* p. 110 figs. 54–56b, 57, pl. viii figs. 2–13, pl. xlviii figs. 1, 3, 10, 20, *triforis* p. 123 figs. 60c, 61–62, pl. xiii figs. 31–34, 36, pl. xlv figs. 1–2, pl. xlix figs. 7, 10, 12–19, 23–24, MORTENSEN 191.

†*Lovenia*, discussion of spp., MORTENSEN 191 p. 95.

†*Lutetiaster maccagnoi* *sp. n.* Eocene N. Africa, CHECCHIA-RISPOLI Boll. Uff. geol. Ital. 70 1950 pp. 38–39 pl. i fig. 3.—*L.* with *L. subglobosus*, MORTENSEN 191 p. 237.

†*Maccويا* *sp.*, TERMIER & TERMIER 309 p. 98 pl. cxxxii figs. 1–3.

†*Macraster triangularis* *sp. n.* Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 p. 217 pl. xxxiv figs. 1–2.

†*Macrolampas* see *Echinolampas*.

†*Macropneustes* with *M. deshayesi*, MORTENSEN 191 p. 450.

†*Macropneustes* (*Deakia*) with *M. (D.) rotundata*, MORTENSEN 191 p. 452.

Maretia p. 21 with *M. carinata* p. 39 figs. 16–17, pl. i figs. 5–7, pl. xlv figs. 8, 14–16, *cordata* p. 41 figs. 7c–d, 9, 13b, 18, pl. i figs. 8, 9–10?, 11–12, 13?, 14–16, pl. xlv figs. 9–10, 20, 25, 28, 30–31, *planulata* p. 27 figs. 6, 7a–b, 8, 10–13a, 14, 53b, pl. iv figs. 1–5, 10–11, pl. v figs. 3–17, pl. xlv figs. 1–4, 18, 26–27, 29, 32–33, *tuberculata* p. 45, MORTENSEN 191.

†*Maretia*, discussion of spp., MORTENSEN 191 p. 26.—*M. estenozi*, ROIG 248 p. 215.

†*Mauritanaster depresses* *sp. n.* Oligocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 228–229 pl. xxxiii fig. 1; *cubensis*, Id. p. 227.—*M.* with *M. gentili*, MORTENSEN 191 p. 551.

†*Megalaster*, MORTENSEN 191 p. 169.

†*Megapetalus* with *M. lovenioides*, MORTENSEN 191 p. 147.

†*Mellita testudinina*, ROIG 248 p. 115.

Meoma p. 524 with *M. grandis* p. 526 figs. 265–268, pl. xxxvi figs. 2–6, pl. lxii figs. 2–5, 7–8, 11, 13–14, *ventricosa* p. 529 pl. xxxvi fig. 1, pl. lii figs. 1, 6, 15, MORTENSEN 191.

†*Meoma*, discussion of spp., MORTENSEN 191 p. 525.

Metalia p. 532 with *M. dicrana* p. 546 pl. xxxvii figs. 1–3, pl. lxiv figs. 6, 12, *latissima* p. 546 pl. xxxvii fig. 9, *nobilis* p. 542 figs. 269b, 270, 271b, pl. xxxvii figs. 4–8, pl. xxxix fig. 5, pl. lxiv figs. 2–4, 8, 11, 16, 18, 20–21, *robillardii* p. 537 pl. xxxi fig. 13, pl. xxxviii figs. 1–2, 4–6, pl. lxiv figs. 7, 15, *spatagus* p. 540 fig. 271a, pl. xxxviii figs. 7–9, pl. xxxix figs. 1–2, 4, pl. lxiv figs. 1, 5, 9–10, 25, *sternalis* p. 535 fig. 269a, pl. lxiv figs. 13, 17, 19, 22, *townsendi* p. 545 pl. xxxviii figs. 3, 11, MORTENSEN 191.

†*Metalia cartagensis* *sp. n.* Oligocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 232–233.—“*M.*” *lonigensis*, MORTENSEN 191 p. 149.

†*Micraster vistulensis* *sp. n.* Cretaceous Poland, KONGIEL Acta Geol. Polonica 1 1950 pp. 318–320, 325–326 pl. ii figs. 5–8.—*M. elevatus* *sp. n.* Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 p. 218 pl. xlvii figs. 4–5.—*M. brongniarti* var. *pseudoglyphus* p. 311 pl. xvi fig. 8, *coranguinum* pp. 311–312 pl. xvi fig. 6, pl. xvii figs. 1–2, cf. *coran-*

guinum p. 310 fig. 1, *decipiens* pp. 310–311 figs. 2–3, pl. xvi figs. 4–5, 7, cf. *decipiens* p. 310 pl. xvi fig. 3, *schloenbachii* p. 312 pl. xvii fig. 6, *schröderi* p. 312 pl. xvii fig. 5, *turonensis* p. 312 pl. xvii fig. 3, cf. *turonensis* p. 309 pl. xvi fig. 2, *M.* sp. p. 309 pl. xvi fig. 1, SAINT-SEINE 267.

†*Migliorinia* with *M. migiurtina*, MORTENSEN 191 p. 456.

†*Miolampas* see *Echinolampas*.

Moir Agassiz 1872, decision to place on "Official list of generic names in Zoology" with type *Spatangus atropos* Lamarck 1816, 1 p. 528.—*M.* p. 325 with *M. atropos* p. 329 figs. 149a, 150a, pl. xix figs. 15, 20, pl. lv figs. 11, 16, 19–23, *clotho* p. 332 fig. 149b, pl. xix fig. 17, pl. lv fig. 14, *lachesinella* p. 333 fig. 150b, *leihe* p. 334 fig. 151, pl. xix figs. 18, 22, pl. lv figs. 12, 24, *stygia* p. 335 fig. 150c, pl. xix figs. 16, 19, 21, pl. lv figs. 9, 17, 25–26, MORTENSEN 191.

†*Moir*, discussion of spp., MORTENSEN 191 p. 328.

Moir (*Moiropsis*) p. 337 with *M. (M.) claudicans* p. 338 pl. lv fig. 18, MORTENSEN 191.

Moiropsis see *Moir*.

Nacospatangus p. 74 with *N. depressus* p. 77, *gracilis* p. 76 fig. 36, MORTENSEN 191.

Neopneustes p. 363 with *N. micrasteroides* p. 364, MORTENSEN 191.

†*Notechinus* see *Pseudechinus*.

†*Nudobrissus lamberti* sp. n. Eocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 222–223 pl. xxxvi figs. 1–3.—*N.* with *N. malatinus*, MORTENSEN 191 p. 81.

†*Oligopygus camagueyensis* pp. 162–163, *circularis* p. 159–160 pl. xxix figs. 2–3, *elongatus* Palmer [ms.] pp. 166–167 pl. xxx figs. 4–5, *mullerriedi* pp. 160–161 pl. xxx figs. 2–3, *pinguis* Palmer [ms.] p. 165 pl. xxviii figs. 2–3, spp. n., *floridanus* var. *laevis* Palmer [ms.] p. 166 var. n., Eocene Cuba, ROIG Paleont. Cubana 1 1949; *collignoni* p. 164, *cubensis* p. 163, *sanchezi* p. 163, Id.—*O. tuberculatus* sp. n. Eocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20 pp. 56–57 pl. xxxiv figs. 4–5; *camagueyensis*, Id. p. 64 pl. xxxviii figs. 3–4.

†*Opissaster derasmoi* sp. n. Eocene N. Africa, CHECCHIA-RISPOLI Boll. Uff. geol. Ital. 70 1950 pp. 32–34 pl. ii figs. 6–7.

†*Opissaster* see *Trachyaster*.

†*Oppenheimia* with *O. giardinaiei*, MORTENSEN 191 p. 20.

Ova Gray 1825, decision to place on "Official list of generic names in Zoology" with type *Spatangus canaliferus* Lamarck 1816, 1 p. 528.

Ova see *Schizaster*.

Palaeanthus see *Clypeaster*.

†*Palaeochinid* genus undet., TERMIER & TERMIER 309 pl. ccxxxi fig. 22.

†*Palaeochinus* sp., TERMIER & TERMIER 309 p. 98 pl. ccxxxi figs. 29–31, pl. ccxxxii fig. 5.

†*Palaeolampas* see *Echinolampas*.

†*Palmeraster* gen. n. p. 268 for type *P. palmeri* sp. n. Eocene Cuba, ROIG Paleont. Cubana 1 1949 p. 269 pl. xxxi figs. 2–4.

†*Parabrissus* with *P. pseudoprenaster*, MORTENSEN 191 p. 348.—*P. pseudoprenaster*, PINAR 232 p. 49.

Paracentrotus lividus, boring habit, YONGE 339.

Paramaretia p. 46 with *P. multituberculata* p. 47 figs. 19–22, pl. iv figs. 6–9, pl. v figs. 1–2, pl. vi figs. 1–5, pl. xiii fig. 37, pl. xlv figs. 3, 5, 8, 10, 12–22, *peloria* p. 51, MORTENSEN 191.

Parapneustes see *Tripylus*.

Paraster p. 215 with *P. compactus* p. 221 figs. 104a, 105b, 107, pl. xxiv figs. 3–8, pl. lii figs. 1, 3, *gibberulus* p. 218 figs. 104b, 105a, pl. xxii fig. 7, pl. lii fig. 4, *rotundatus* p. 223, MORTENSEN 191.

†*Paraster orientalis* Oligocene pp. 289–290 pl. xlvii figs. 2–3, *sandiegensis* Eocene pp. 288–289, *tschopi* Palmer [ms.] pp. 290–291 pl. xlvii fig. 1, spp. n. Cuba ROIG Paleont. Cubana 1 1949; *camagueyensis* p. 287, *cartagensis* pl. xlv figs. 6–9, *clarcki* pl. xlv figs. 6, 9, *cubitabellae* p. 285, *nuevitasensis* p. 283, *pastelilloensis* p. 284, Id.—*P. sierrai* sp. n. Pleistocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20 pp. 63–64 pl. xl fig. 1; *sandiegensis*, Id. p. 64 pl. xl figs. 6–7.—*P.* discussion of spp., MORTENSEN 191 p. 217.

†*Paratinnanthus* see *Clypeaster*.

†*Pauropygus alvarezii* p. 168, *ovum-serpentis* p. 167, ROIG 248.

†*Pedina eocenica* sp. n. Eocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 41-42 pl. iii fig. 6; *P. sp.*, Id. p. 42 pl. iii fig. 5.

†*Pedinopsis desori*, CHECCHIA-RISPOLI 36 p. 14 pl. i figs. 20-23.

†*Periarchus lyelli*, ROIG 248 p. 112.

†*Periaster* with genotype *P. elatus*, MORTENSEN 191 p. 212 fig. 102.

†*Peribrissus* with *P. sahelensis*, *sotgiai*, MORTENSEN 191 p. 231.

Pericosmus p. 169 with *P. akabanus* p. 178 figs. 84a, 85, 86a-b, 87, pl. xv figs. 1-8, pl. l figs. 16, 19, 21-22, 28-30, 32, *bidens* p. 185 figs. 86d, 89-91a, 95b, pl. xvii figs. 2, 12, 17, 22, pl. l figs. 1-4, 8-11, 20, *cordatus* p. 182 figs. 84b, 86c, 88a, 91b, pl. xvi figs. 1-7, pl. l figs. 15, 18, 23-27, 31, *keiensis* p. 190 figs. 88b, 92a, 93a, 94, 95a, pl. xvii figs. 1, 3, 11, 13, 16, 19, pl. li figs. 4-5, 11, 20-21, 24-25, 27-28, *macronesius* p. 176 pl. xvii figs. 18, 20-21, pl. l figs. 5-7, 12-14, 17, *mauritanianus* p. 198 fig. 97c, pl. xvii figs. 8, 10, 23-24, pl. li figs. 8, 15, 26, *melanostomus* p. 194 figs. 95c, 96, 97a, pl. xiii figs. 5-8, 13-21, 35, pl. li figs. 10, 13-14, 16, 19, 23, 29-30, *oblongus* p. 199 fig. 97b, pl. xvii figs. 4-7, 9, pl. li figs. 3, 12, *tenuis* p. 188 figs. 92b-c, 93b, 94, 95a, pl. xiv figs. 8-9, pl. li figs. 1-2, 6-7, 9, 17-18, 22, 31, *P. sp.* p. 201 pl. xvii figs. 14-15, MORTENSEN 191.

†*Pericosmus camagueyanus* Oligocene pp. 246-247 pl. xxxviii figs. 1-2, *cubanus* Palmer [ms.] Eocene p. 248, spp. n. Cuba, ROIG Paleont. Cubana 1 1949; *roigi*, Id. p. 245 pl. xxxviii figs. 3-4.—*P. rojasi* sp. n. Eocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20 pp. 60-61 pl. xxxvi figs. 2-3.—*P.* discussion of spp., MORTENSEN 191 p. 170.

†*Peronella caribbeana* p. 96, *cubae* p. 97, *mirabilis* p. 98, *quinquenodulata* p. 99, ROIG 248.

Phyllacanthus Brandt 1835, decision to place on "Official list of generic names in Zoology" with type *Cidarites* (*Phyllacanthus*) *dubius* Brandt 1835, 1 p. 521.

†*Phyllacanthus leoni*, ROIG 248 p. 27.

†*Phyllacanthus* (*Dorocidaritis*) *damu-jiensis* p. 30 pl. i fig. 1, *madrugensis* pp. 30-31 pl. i figs. 2, 4, spp. n. Cretaceous Cuba, ROIG Paleont. Cubana 1 1949; *molineti*, Id. p. 28.

†*Phymapatagus* see *Spatangus*.

†*Phymosoma cubense*, ROIG 248 p. 45.

Plagiobrissus africanus, DARTEVILLE 69 p. 913 figs. 1-2.—*P.* p. 494 with *P. africanus* p. 498 pl. xlii figs. 1-2, pl. xliii figs. 1-2, pl. lxiii fig. 14, *grandis* p. 496 fig. 261, pls. xl-xli, pl. lxiii figs. 13, 16, *P. ? sp.* p. 503 pl. xxxix fig. 3, MORTENSEN 191.

†*Plagiobrissus*, discussion of spp., MORTENSEN 191 p. 495.

†*Plagiobrissus* see *Eupatagus*.

Plagiobrissus (*Rhabdobrissus*) p. 500 with *P. (R.) costae* p. 502, *jullieni* p. 501 pl. lxiii figs. 17-18, *pacificus* p. 502 pl. xxxix fig. 9, pl. lxiii figs. 15, 19, 21, 23, MORTENSEN 191.

†*Platyspatus* see *Spatangus*.

†*Plegiocidaritis chantrei*, MACCAGNO 168 p. 80 pl. i fig. 2. [Radiole].

†*Plesiaster* with *P. peini*, MORTENSEN 191 p. 368.

†*Plesiopatagus* with *P. cotteauvi*, MORTENSEN 191 p. 477.

Plethotaenia p. 484 with *P. spatangoides* p. 485 figs. 253-254, pls. xxxix figs. 6, 10-11, pl. lxiv fig. 24, MORTENSEN 191.

†*Phiolampas lorioli* var. *excentrica* var. n. Eocene Senegal, GORODISKI Bull. Mus. Hist. nat. Paris (2) 23 pp. 325-327 pl. i figs. 2-4.

†*Ptyophima* see *Clypeaster*.

Podophora see *Colobocentrotus*.

†*Polydesmaster* with *P. fourtaui*, MORTENSEN 191 p. 201.

†*Porosoma lamberti* sp. n. Eocene W. Africa, CHECCHIA-RISPOLI Boll. Off. geol. Ital. 70 1950 pp. 22-24 pl. i fig. 1.—*P. cribrum*, PINAR 232 p. 36.

†*Prenaster clarki* pp. 252-253 pl. xlv figs. 7-8, *elongatus* p. 250 pl. l figs. 3-4, *nuevitasensis* p. 252 pl. xlii figs. 1-2, *parvus* Palmer [ms.] pp. 251-252 pl. xlii fig. 12, *sanchezi* Lambert [ms.] p. 251 pl. xlv figs. 4-6, spp. n. Eocene Cuba, ROIG Paleont. Cubana 1 1949.—*P.* with *P. alpinus*, MORTENSEN 191 p. 229.

†*Procassidulus avilensis* Palmer [ms.] Oligocene pp. 134-135 pl. iv figs. 6-8, *brodermanni* Eocene p. 135 pl. xvii figs. 6-7, *circularis* Palmer [ms.] Oligocene pp. 139-140 pl. xvii figs. 4-5, *habanensis* p. 138 pl. iv fig. 5, *jeanneti* Miocene p.

137 pl. xvii figs. 2-3, *luacesi* Cretaceous pp. 135-136 pl. xviii figs. 1-3, *minutus* Cretaceous p. 133 pl. xvii figs. 8-11, *simpatae* Cretaceous pp. 138-139 pl. xvii figs. 12-13, *spp. n.* ROIG Paleont. Cubana 1 1949; *cubensis* p. 132, *P. sp.* p. 149, *Id.*—*P. lambayensis*, GORODISKI 106 p. 323 pl. i fig. 7.

†*Procassidulus* (*Australanthus*) *madrugensis* *sp. n.* Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 pp. 140-141 pl. xviii figs. 4-6.

†*Progonolampas* see *Echinolampas*.

†*Proraster* with *P. atavus*, *geayi*, MORTENSEN 191 p. 229.

†*Prostoma jimeno*, ROIG 248 p. 191 pl. xxviii fig. 1.

Prospatungus Lambert 1902, decision to place on "Official index of rejected and invalid generic names in Zoology", 1 p. 528.

Protenaster p. 223 with *P. australis* p. 224 figs. 108-109, pl. liii fig. 2, *rostratus* p. 226, MORTENSEN 191.

†*Protobrissus* with *P. mortenseni*, MORTENSEN 191 p. 369.

Prymnaster p. 226 with *P. angulatus* p. 227, *investigatoris* p. 228, MORTENSEN 191.

Pseudabatus see *Abatus*.

Pseudechinus (*Notechinus*) *sanctipauli* *sp. n.* Southern Ocean, DOLLFUS Mém. Mus. Hist. nat. Paris N.S. 22 1946 pp. 160-178 figs. 1-16 pls. iii-iv.

†*Pseudobrissus* with *P. corsicus*, MORTENSEN 191 p. 352.

Pseudocidaris checciai *sp. n.* Jurassic N. Africa, MACCAGNO Boll. Uff. geol. Ital. 70 1950 pp. 92-95 pl. i fig. 6, pl. ii fig. 13.

Pseudolovenia with *P. hirsuta*, MORTENSEN 191 p. 127.

Pseudomaretia p. 55 with *P. alta* p. 58 figs. 25-27a, 28, 30, pl. iii figs. 12-14, 16-20, pl. xvi figs. 1-6, 9-11, 13, 19-20, 30, *interrupta* p. 71 figs. 34-35, pl. ii figs. 7-9, pl. xiv figs. 11-13, 17, 19, 22-23, *laevis* p. 67 figs. 32, 33a, pl. xvi figs. 18, 21, *oblonga* p. 70 fig. 33b, pl. iii figs. 4-5, 10-11, pl. xiv fig. 24, *tylota* p. 62 figs. 27b, 29, 31, pl. iii figs. 1-3, 6-9, pl. xvi figs. 7-8, 12, 14-17, 22-28, MORTENSEN 191.

†*Pseudorthopsis* *gen. n.* Lambert [ms.] for type *Echinopedina cubensis* Cotteau 1881 Eocene and Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 p. 37.

†*Pseudorthosis* [sic in text, *Pseudorthopsis* in explanation of plate] *pentagona* *sp. n.* Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 pp. 40-41 pl. iv figs. 1-2.

†*Pseudosalenia pseudocidaroides* p. 85 pl. i fig. 4, pl. ii figs. 10-11, cf. *quadrimiliaris* p. 88 pl. ii fig. 14, MACCAGNO 168.

Psychocidaris ohshimai, MORTENSEN 191 p. 555.

†*Pygaster truncatus*, ZÁZVORKA 340 p. 1 fig., pl. i figs. 1-8.

†*Pygorhynchus* see *Cassidulus*.

†*Pyrina avilensis* *sp. n.* Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 p. 60 pl. xlii figs. 9-10; *antillensis*, *Id.* p. 59.

†*Radiobrissus* with *R. geneffensis*, MORTENSEN 191 p. 547.

†*Recrosalenia migiurtina* *sp. n.* Jurassic N. Africa, MACCAGNO Boll. Uff. geol. Ital. 70 1950 pp. 90-92 pl. i fig. 5.

Rhabdobrissus see *Plagiobrissus*.

†*Rhabdocidaris durandi* p. 82 pl. i fig. 3, aff. *mogharensis* p. 81 pl. i fig. 1, pl. ii figs. 1-9, MACCAGNO 168 [Radioles].

Rhinobrissus p. 486 with *R. hemiasteroides* p. 490 figs. 256-257, pl. xxviii figs. 3-4, 7-9, 13-14, pl. lxi figs. 10-11, 17-18, *macropetalus* p. 491, *placopetalus* p. 489, *pyramidalis* p. 488 fig. 255, pl. lxi figs. 9, 16, MORTENSEN 191.

†*Rhyncholampas cervantesi* *sp. n.* Oligocene Cuba, ROIG Paleont. Cubana 1 1949 p. 145 pl. xxxvi figs. 5-6; aff. *alabamensis* p. 145, *rodriguezi* p. 144, *Id.*

†*Rhynchopygus* see *Cassidulus*.

†*Rojasia* *gen. n.* p. 57 for type *R. rojasi* *sp. n.* p. 58 pl. xxxv, pl. xxxvi fig. 1 Eocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20.

Rotundaster, MORTENSEN 191 p. 216.

†*Rovasendia* with *R. canavarii*, MORTENSEN 191 p. 550.

†*Rumphia elegans* *sp. n.* Oligocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 100-101 pl. xvi fig. 1.

†*Salenia alcaldei* sp. n. Cretaceous Cuba, ROIG Paleont. Cubana 1 1949 p. 44 pl. ii figs. 14-17; *ameri*, Id. p. 43.

†*Salenidia bonissenti*, KONGIEL 145 pp. 311, 321 pl. i figs. 1-4.

†*Sanchezaster habanensis*, ROIG 248 p. 174 pl. xx fig. 1.

†*Sanfilippaster*, MORTENSEN 191 p. 228.

†*Saviniaster* with *S. miqueli*, MORTENSEN 191 p. 351.

†*Scaphechinus* see *Echinarachnius*.

Schizaster Agassiz 1836, decision to place on "Official list of generic names in Zoology" with type *S. studeri* Agassiz 1840, [S.] *studeri* Agassiz 1840 placed on "Official list of specific trivial names in Zoology," 1 p. 528.—*S.* p. 295 with *S. edwardsi* p. 304 figs. 140, 141c pl. xxi figs. 1-4, 11-13, pl. liv figs. 4, 6, 10-11, 13, 18, *lacunosus* p. 300 figs. 140a-b, 141a-b, pl. xxi figs. 5-10, 14-18, pl. liv figs. 1-3, 5, 7-9, 12, 14-17, *orbignyianus* p. 306 fig. 140d, pl. xxiii figs. 4-6, 10, MORTENSEN 191.—*S. rimosus*, PINAR 232 p. 50.

†*Schizaster delorenzoi* sp. n. Eocene N. Africa, CHECCHIA-RISPOLI Boll. Uff. geol. Ital. 70 1950 pp. 35-36 pl. ii fig. 5.—*S. alcaldei* Eocene p. 273 pl. xxxii fig. 4, *caobaense* Eocene pp. 273-274 pl. xlv fig. 2, *cojimarensis* Oligocene p. 270 pl. xlv figs. 1, 3, *habanensis* Oligocene pp. 270-271 pl. xlv figs. 1-2, *sanctamariae* Cretaceous p. 272 pl. xlv figs. 4-5, *vedadoensis* Oligocene pp. 271-272 pl. xlv fig. 8, spp. n. Cuba, ROIG Paleont. Cubana 1 1949.—*S. moronensis* sp. n. Oligocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20 pp. 58-59 pl. xxxvi figs. 4-5; *alcaldei*, Id. p. 64 pl. xxxix figs. 10-11.—*S.* discussion of spp., MORTENSEN 191 p. 296.—*S. armiger*, RICHARDS 243 p. 15 fig. 63e.

†*Schizaster* (section *Aplospatangus*) *guirensis* Miocene pp. 273-279 pl. xliii figs. 4-5, *Ulagunoi* Lambert & Roig Miocene pp. 274-275, *muñozzi* Oligocene p. 277 pl. xliii figs. 1-3, *salutis* Miocene p. 278 pl. xlv figs. 3-4, spp. n. Cuba, ROIG Paleont. Cubana 1 1949; *egozcuei*, Id. p. 275.

†*Schizaster* (section *Brissaster*) *san-tanae* sp. n. Oligocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 281-282 pl. xlv figs. 5-7; *cubensis* p. 280, aff. *dyscritus* p. 279, *subcylindricus* p. 281, Id.

Schizaster (*Ova*) p. 308 with *S. (O.) canaliferus* p. 309 fig. 142a, MORTENSEN 191.

†*Schizobrissus jacksoni* sp. n. Lambert and Roig Pleistocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 230-231 pl. xxxvii figs. 1-2; *antillarum* p. 229, *clevei* p. 231, Id.—*S.* with *S. cruciatus*, MORTENSEN 191 p. 454.

†*Schizopneustes* with *S. aturicus*, MORTENSEN 191 p. 232.

[*Scutella*] *parma* Lamarck 1816, placed on "Official list of specific trivial names in Zoology," 1 p. 535.

†*Scutella habanensis* sp. n. Oligocene Cuba, ROIG Paleont. Cubana 1 1949 pp. 113-114 pl. xxxiii fig. 2; *camagüeyana* p. 115, *cubae* p. 114, Id.

†*Sismondia* aff. *crustula* p. 65, *S. occitana* p. 66, ROIG 248.

Spatagobrissus with *S. mirabilis*, MORTENSEN 191 p. 492 figs. 258-260, pl. xxviii figs. 10-12, pl. lx fig. 8, pl. lxiii fig. 20.

Spatagoida Gmelin 1789 in Linnaeus, request to place on "Official index of rejected and invalid general names in Zoology," ENGEL 83.

Spatagoides Klein 1778, *Spatagoides* Leske 1778, request to place on "Official index of rejected and invalid generic names in Zoology," ENGEL 83.

Spatangus Gray 1825, decision to place on "Official list of generic names in Zoology" with type *Spatangus purpureus* Müller 1776, [S.] *purpureus* Müller 1776 placed on "Official list of specific trivial names in Zoology," 1 p. 528.—[S.] *atropos* Lamarck 1816, [S.] *brissus* var.] *unicolor* Leske 1778, [S.] *canaliferus* Lamarck 1816, placed on "Official list of specific trivial names in Zoology," 1 pp. 528-529.—[S.] *striatoradiatus* Leske 1778, request to place on "Official list of specific trivial names in Zoology," ENGEL 83.—*S.* p. 6 with *S. altus* p. 17, *californicus* p. 16 pl. ii figs. 1-2, *capensis* p. 16 pl. i figs. 1-3, *Lütkeni* p. 18, *multispinus* p. 15 pl. ii figs. 4-6, pl. iii fig. 15, *pallidus* p. 19, *purpureus* p. 10, *raschi* p. 14, MORTENSEN 191.—*S. purpureus*, MORTENSEN 192 p. 299.

†*Spatangus*, discussion of spp., MORTENSEN 191 p. 7.

Spatangus (Granopatagus) inermis p. 19, *paucituberculatus* p. 19 pl. ii fig. 3, pl. iii figs. 21-22, MORTENSEN 191.

†*Spatangus (Phymapatagus)* with *S. (P.) brittanus*, MORTENSEN 191 p. 8.

†*Spatangus (Platyspatus)* with *S. (P.) chitonosus*, MORTENSEN 191 p. 8.

Sterechinus antarcticus, CLARK 49 p. 335.

Strongylocentrotus Brandt 1835, decision to place on "Official list of generic names in Zoology" with type *Echinus droebachiensis* Müller 1776, 1 p. 521.—*S. droebachiensis*, DJAKONOV 77 p. 148 figs. 1-3.—*S. pulcherrimus*, MOTOMURA 195 p. 431.

Stylocidaris affinis, MULLEGER 203 p. 18 fig. 5.

†*Tarphypygus palmeri* sp. n. Eocene p. 170, *sulcatus* sp. n. Oligocene pp. 170-171 pl. 1 fig. 5, Cuba, ROIG Paleont. Cubana 1 1949; *clarki* p. 168, *ellipticus* p. 171, *notabilis* p. 169, Id.—*T. palmeri*, ROIG 249 p. 64 pl. xxxix figs. 6-7.

Temnopleura toreumaticus, GRAVELY 107 p. 88 fig. 30, 2.

†*Tetragamma giganteum* p. 11 pl. i figs. 14-16, *somaliense* p. 12 pl. i figs. 17-19, CHECCHIA-RISPOLI 36.

†*Tholeopelta herrerae* sp. n. Oligocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20 p. 40-41.

†*Tholeopelta* see *Olypeaster*.

†*Togocyamus seefriedi*, FURON & KOURIATCHY 92 p. 97 pl. viii fig. 1.

†*Trachyaster minutus* pp. 241-242 pl. xlii figs. 6-8, *simpaticus* pp. 242-243 pl. xlii figs. 3-5, spp. n. Cretaceous Cuba, ROIG Paleont. Cubana 1 1949; *antillensis*, Id. p. 243.

†*Trachyaster (Opissaster) herrerae*, ROIG 248 p. 244.

†*Trachypatagus* with *T. oranensis*, MORTENSEN 191 p. 478.

†*Triplacidia trakysensis* sp. n. Eocene Turkey, PINAR Bull. Soc. géol. Fr. 6 1 pp. 37-38 figs. 1-2, 4, 7, 9, pl. ib figs. 2-3.

†*Tripneustes ventricosus austriacus* subsp. n. Miocene Austria, TAUBER SitzBer. öst. Akad. Wiss. Abt. I 160 pp. 312-313 figs. 1-4.

Tripylaster p. 271 with *T. philippii* p. 272 pl. xix figs. 9, 13-14, MORTENSEN 191.

Tripylus p. 273 with *T. excavatus* p. 276 fig. 134a, pl. xix fig. 6, MORTENSEN 191.

Tripylus (Parapneustes) abatooides p. 279, *cordatus* p. 277 fig. 133, pl. xix figs. 7-8, *reductus* p. 278, MORTENSEN 191.

†*Vasconaster*, MORTENSEN 191 p. 89.

†*Verbeekia* with *V. dubia*, MORTENSEN 191 p. 148.

†*Victoriaster*, MORTENSEN 191 p. 169. —*V. lamberti*, ROIG 248 p. 249 pl. xxxix fig. 1, pl. xl fig. 1.

†*Washitaster* with *W. rivivastae*, MORTENSEN 191 p. 202.

†*Zanolettia* [vel *Zanoletia*] gen. n. p. 39 for type *Z. zanolettii* sp. n. Oligocene Cuba, ROIG Mem. Soc. cubana Hist. nat. 20 p. 40 pl. xxxiii figs. 2-3.

SOMASTEROIDEA

[Somasteroidea subclass n. Spencer Phil. Trans. 235B p. 91 is erected to include starfish which cannot be accommodated in either the Asteroidea or Ophiuroidea].

†*Archegonaster pentagonus* sp. n. ex Jaekel ms. Ordovician Bohemia, SPENCER Phil. Trans. 235B pp. 101-106 figs. 9-10, 12-15, pl. 2 fig. 34, pl. 3 figs. 37-38, pl. 4 figs. 39-40, pl. 8 figs. 54-55.

†*Chiniaster* with *C. levyi*, SPENCER 292 p. 98 figs. 7-8, pl. 2 figs. 32-33, pl. 3 figs. 35-36.

†*Villebrunaster* gen. n. for type *V. thoralis* nom. n. for *Chinianaster levyi* Thoval 1935 pars, Cambro-Ordovician France, SPENCER Phil. Trans. London 235B pp. 93-98 figs. 1, 3-4, pl. 2 figs. 29-31.

ASTEROIDEA

†Ocular plate, MALARODA 170 p. 156 pl. ii figs. 2.

Acodontaster elongatus, CLARK 49 p. 336.

Adelasterias papillosa, CLARK 49 p. 337.

Aphelasterias p. 119 with *A. japonica* p. 120 fig. 209, DJAKONOV 78.

Archaster typicus, CLEMENTE & ANICETE 53 p. 297 figs. 1-6.

Asterias argonauta sp. n. p. 188 figs. 5(3), 6(3), *A. asterias* with *acervispinis* forma n. p. 189 figs. 5(8), 6(8), *flabellifera* forma n. p. 188 figs. 5(6), 6(6), *gracilispinis* forma n. p. 189 figs. 5(8), 6(8), *latissima* forma n. p. 189 figs. 5(7), 6(7), *robusta* forma n. p. 189 figs. 5(10), 6(10), DJAKONOV Trav. Inst. zool. Acad. Sci. U.R.S.S. 8 1946; *A. amurensis* figs. 5(4, 5), 6(4, 5), *rollestoni* figs. 5(1), 6(1), *versicolor* figs. 5(2), 6(2), Id. p. 184.—*A. amurensis* with forma *acervispinis* f. n. p. 126 figs. 128, 137, *flabellifera* f. n. p. 126 figs. 125, 135, 211, *gracilispinis* f. n. p. 126 figs. 127, 139, *latissima* f. n. p. 126 figs. 126, 136, *robusta* f. n. p. 126 figs. 129, 138; *A. argonauta* sp. n. p. 124 figs. 122, 132; *microdiscus* sp. n. p. 127 figs. 182, 201 with *brandti* f. n. p. 127; *A. rathbuni* with forma *alveolata* f. n. p. 128 fig. 141, and subsp. *crassispinis* subsp. n. p. 128 fig. 143, U.R.S.S., DJAKONOV Tabl. anal. Faune U.R.S.S. 34 1950; *A. amurensis* p. 125 with forma *amurensis* p. 126 figs. 123–124, 133–134, *A. rathbuni* p. 127 with forma *anomala* p. 128 fig. 142, f. *nortonensis* p. 128, and f. *rathbuni* p. 128 figs. 140, 183, *A. rollestoni* p. 123 figs. 120, 130, *rubens* p. 125, *versicolor* p. 124 figs. 121, 131, Id.—[A.] *ciliaris* Philippi 1837, decision to place on "Official list of specific trivial names in Zoology," 1 p. 513.—*A. glacialis*, MÜLLEGER 203 p. 17 fig. 3.—*A. rubens*, SMIDT 285.

†*Asterias quinqueloba*, application to Internat. Comm. Zool. Nomen., HEMMING 121 p. 673.—[A.] *quinqueloba* Goldfuss 1831, request to place on "Official list of specific trivial names in Zoology," WRIGHT 332.

Asterina gibbosa, BACCI 9.—*A. gibbosa*, BOUGIS 26.—*A. gibbosa* p. 212, *stellifer* p. 213, MADSEN 169.—*A. cepheus*, TORTONESE 314 p. 36.

Asterodiscus truncatus, POPE 233 p. 146 fig.

Astrocles p. 103 with *A. actinodetus* p. 103 fig. 103, DJAKONOV 78.

Astropecten granulatus natalensis subsp. n. S. Africa p. 489 pl. i figs. 1–2, *triseriatus fijiensis* subsp. n. Fiji Islands pp. 501–502 pl. ii fig. 4, JOHN Novit. zool. London 42 1948; *A. antillensis* p. 502, *brasiliensis armatus* p. 503 pl. iii figs. 1–2, *brasiliensis erinaceus* p. 504 pl. iv figs. 1–2, *brevispinus* p. 496 pl. i figs. 3–4, *granulatus* p. 486, *hartmeyeri*

p. 492, *indicus* p. 489, *mauritanus* p. 505 pl. iv figs. 3–4, *mesactus* p. 496 pl. i figs. 5–6, *michaelseni* p. 502, *monacanthus* p. 491, *pectinatus* p. 497 pl. ii fig. 5, *sphenoplax* p. 499 pl. ii figs. 1–3, *triseriatus* p. 500, *zebra* p. 492, Id.—*A. jarli* sp. n. pp. 181–186 fig. 3, pl. xv fig. 1, *michaelseni* var. *ambiguus* var. n. pp. 174–176 figs. 1c–d, pl. xiv fig. 2, *spiniphorus* sp. n. pp. 176–180 fig. 2, pl. xiv fig. 1, West Africa, MADSEN Atlantide Reports 1 1950; *aranciatus* with f. *gruweli* p. 180, *bispinosus* p. 181, *guineensis* p. 181, *hupferi* p. 181, *irregularis* var. *africanus* p. 171, *irregularis* var.? p. 170, *irregularis* f. *pentacanthus* p. 169, *A. leptus* p. 169, *liberensis* p. 173, *mamilatus* p. 181, *michaelseni* p. 173 fig. 1a–b, pl. xiv fig. 3, *weberi* p. 173, Id.—*A. bispinosus platyacanthus*, da COSTA 62 p. 1.—*A.* with *A. irregularis*, DJAKONOV 78 p. 28.—*A. mauritanus*, GRAVELY 107 p. 86 fig. 30, 1.

†*Astropecten carthusiae* sp. n. Cretaceous France, HÉRENGER Trav. Lab. Géol. Univ. Grenoble 24 1944 pp. 38–45 figs. 4, 5, 6 (2), 7–8, 9(3), pl. i figs. 1–4. [See Zool. Record for 1948 Part V 43 where also this sp. is described as sp. n.] —*A. sp.*, MALARODA 170 p. 155 pl. i figs. 18, 21–24, pl. ii figs. 1, 4.

Astrostole multispina sp. n. Malaysia, CLARK, Ann. Mag. nat. Hist. (12) 3 1950 pp. 808–811 fig. 1, pls. xi–xii.

†*Baliactis ? flemingtonensis*, SPENCER 291 p. 407.

Bathybiaster with *B. vexillifer*, DJAKONOV 78 p. 32 fig. 15.

†*Belaster*, SPENCER 291 p. 405.

Benthopecten rhopalophorus sp. n. Okhotsk Sea, DJAKONOV Tabl. anal. Faune U.R.S.S. 34 1950 pp. 41–42 fig. 91.

Brisingella ochotensis sp. n. Okhotsk Sea, DJAKONOV Tabl. anal. Faune U.R.S.S. 34 1950 p. 103 fig. 90.

†*Caractacaster*, SPENCER 291 p. 406.

Ceramaster patagonicus productus subsp. n. p. 48 fig. 186, *C. stellatus* sp. n. pp. 49–50 fig. 89 Behring Sea, DJAKONOV Tabl. anal. Faune U.R.S.S. 34 1950; *arcticus* p. 50 figs. 21, 26, *granularis* p. 47 fig. 11c, *japonicus* p. 49 fig. 30, *patagonicus* p. 48 figs. 27, 88, Id.

†*Ceramaster brandenensis* sp. n. Oligocene Denmark, RASMUSSEN Medd. dansk geol. Foren. 11 1950 pp. 588-589 fig. 1.

Chaetaster moorei p. 1256 figs. 1-2, *nodosus* p. 1260, CLARK 52.—*C. longipes*, MADSEN 169 p. 219.

†*Cocaster*, SPENCER 291 p. 406.

Coscinasterias tenuispina, MADSEN 169 p. 219.—*C. acutispina*, YAMAZI 337 p. 176 figs. 1-4.

Craspidaster hesperus with subsp. *glaucotus*, JOHN 140 p. 57.

†*Crateraster* Spencer 1913, request to place on "Official list of generic names in Zoology," WRIGHT 332.—*C. quinqueloba*, see sub *Asterias*.

Crossaster borealis ochotensis subsp. n. Okhotsk Sea, DJAKONOV Tabl. anal. Faune U.R.S.S. 34 1950 p. 72; *C. p.* 71 with *C. borealis* p. 72 fig. 22, *diamesus* p. 72 figs. 107-108, *japonicus* p. 74 fig. 25, *papposus* p. 73 figs. 18, 196, *squamatus* p. 73 fig. 19, Id.

Otenodiscus p. 19 with *C. crispatus* p. 20 figs. 5, 12B, 187, 188, DJAKONOV 78.

Cuenotaster involutus, CLARK 49 p. 337.

Diplopteraster with *D. multipes*, DJAKONOV 78 p. 77.

Dipsacaster with *D. anoplus*, DJAKONOV 78 p. 27.

Distolasterias p. 115 with *D. elegans* p. 116 figs. 112-114, *nipon* p. 116 figs. 118-119, DJAKONOV 78.

Dytaster exilis p. 54 with var. *carinata* p. 54 pl. vi figs. 1-2, *D. grandis* p. 54 pl. vi fig. 3, JOHN 140.

Echinaster sepositus, MADSEN 169 p. 219.

Echinaster (*Othilie*) *purpureus*, TONENESE 314 p. 36.

Endogenasterias see *Leptasterias*.

Enoplatiria marginata, OLIVEIRA 219 p. 370 fig. 15.

†*Eoactis*? *stachi*, *wenlocki*, SPENCER 291 p. 407.

Eoleptasterias see *Leptasterias*.

Èremicaster p. 20 with *E. tenebrarius* p. 21 fig. 31, DJAKONOV 78.

Evasterias retifera with forma *retata* f. n. p. 132, and *retifera* f. n. p. 132 fig.

204, DJAKONOV Tabl. anal. Faune U.R.S.S. 34 1950; *E. p.* 129, *derjugini* p. 131 figs. 155, 165, *echinosoma* p. 131, *retifera* p. 132 fig. 204 with forma *tabulata* p. 133 fig. 208, *E. troscheli* p. 130 with forma *acanthostoma* p. 131, f. *alveolata* p. 130, and f. *troschli* p. 130 fig. 205, Id.

Gephyreaster p. 43 with *G. swifti* p. 43 fig. 189, DJAKONOV 78.

†*Girvanaster*, SPENCER 291 p. 405.

Goniaster cuspidatus, MADSEN 169 p. 209.

†[[*Goniaster* (*Goniodiscus*)] *parkinsoni* Forbes 1848, request to place on "Official list of specific trivial names in Zoology," WRIGHT 332.

†*Helianthaster rhenanus*, LEHMANN 156 p. 269 pl. xii fig. 5, 157 pp. 404, 408 pl. xix fig. 3, pl. xxiv fig. 4.

Henricia beringiana sp. n. Bering Sea p. 100 figs. 58-59, *derjugini* sp. n. Bering Sea pp. 100-101 figs. 60-61, 67-68, *elegans* sp. n. Okhotsk Sea p. 97, *knipowitschi* sp. n. W. Arctic Ocean p. 93 figs. 46-48, *ochotensis* sp. n. Okhotsk Sea p. 97 figs. 63-64, 69-70, *orientalis* sp. n. Bering & Okhotsk Seas p. 98 figs. 71-72, *skorikovi* sp. n. White Sea & Barents Sea pp. 93-94 figs. 51-54, 194, *solida* sp. n. White Sea & Barents Sea pp. 94-95 fig. 50, DJAKONOV Tabl. anal. Faune U.R.S.S. 34 1950; *arctica* p. 99 figs. 73-74, *aspera* p. 99 fig. 193, *curta* p. 91, *dyscrita* p. 96 figs. 81-82, *eschrichtii* p. 90 figs. 40-41, 43 with forma *laevior* p. 90 figs. 42, 49, *H. levinuscula* p. 95 figs. 28, 79-80, 83-84, *longispina* p. 99, *sanguinolenta* p. 89 figs. 38-39, *scabrior* p. 92 figs. 44-45, *spiculifera* p. 95 figs. 55-56, 65-66, *tumida* p. 98 with forma *borealis* p. 98 figs. 62, 75-78, 85-86, Id.

Hexasterias see *Leptasterias*.

Hippasteria colossa sp. n. Bering Sea p. 55, *derjugini* sp. n. Okhotsk Sea pp. 55-56, *leiopelta* with forma *aculeata* f. n. and *longimana* f. n. p. 56, *H. mammifera* sp. n. Okhotsk Sea p. 54, *pedicellaris* sp. n. Okhotsk Sea pp. 54-55, DJAKONOV Tabl. anal. Faune U.R.S.S. 34 1950; *kurilensis* p. 56, *leiopelta* p. 56, *phrygiana* p. 53 fig. 11d, *spinosa* p. 53 with forma *armata* p. 53 fig. 192, Id.

†*Hudsonaster*, SPENCER 291 p. 405.

Hymenaster p. 82 with *H. glaucus* p. 84, *pellucidus* p. 83 fig. 14, *perissonotus* p. 83, DJAKONOV 78.

Icasterias p. 114 with *I. panopla* p. 114 fig. 116, DJAKONOV 78.

Korethraster with *K. hispidus*, DJAKONOV 78 p. 75.

Labidiaster annulatus, CLARK 49 p. 337.

†*Lepidaster* ? *australis*, SPENCER 291 p. 406.

Leptasterias spp., DJAKONOV 77 p. 174.—*L. ochotensis similispinis*, KUBO 152 p. 97 figs. 1–9.

Leptasterias (*Endogenasterias*) *groenlandica* p. 146 fig. 10 with forma *cribraria* p. 146 fig. 167, forma *groenlandica* p. 146 figs. 166, 168–169, *L. sibirica* p. 147 fig. 9, DJAKONOV 78.

Leptasterias (*Eoleptasterias*) *derbeki* p. 144 fig. 162, *granulata* p. 145 fig. 163, *ochotensis* p. 143 figs. 110, 160, 203, *similispinis* p. 143 fig. 161, *squamulata* p. 145 fig. 164, *vinogradovi* p. 144, DJAKONOV 78.

Leptasterias (*Hexasterias*) *alaskensis asiatica* p. 151 figs. 179–181, 212, *L. camtschatica* p. 151, *L. coëi shantarica* p. 149 figs. 175–176, *L. hexactis occidentalis* p. 150 fig. 178, *L. leptodoma* p. 150, *L. polaris acervata* p. 147 with forma *acervata* p. 148, forma *intermedia* p. 148 fig. 170 and forma *polythela* p. 148 fig. 200, *L. polaris ushakovi* p. 148 figs. 171, 174, *L. polymorpha* p. 149 figs. 172–173, *L. schmidtii* p. 148 fig. 177, DJAKONOV 78.

Leptasterias (*Leptasterias*) *arctica* p. 139 figs. 12c, 109, 111, 117, 144–146 with forma *beringensis* p. 140, f. *glomerata* p. 140 fig. 147, and subsp. *islandica* p. 140, *L. fisheri* p. 142 fig. 154, with subsp. *fisheri* fig. 156 and subsp. *meridionalis* figs. 157–158, *L. hirsuta* p. 140 figs. 148–150, *hylodes* subsp. *reticulata* p. 140 fig. 202, *hyperborea* p. 139, *insolens* p. 142 fig. 159, *mülleri* p. 138, *orientalis* p. 141 figs. 151, 210 with subsp. *japonica* p. 141 fig. 152, *L. subarctica* p. 141 fig. 153, DJAKONOV 78.

Leptychaster magnificus, CLARK 49 p. 336.—*L.* p. 22 with *L. anomalus* p. 24 fig. 197, *arcticus* p. 23 fig. 12c with forma *microplax* p. 24, *L. inermis* p. 25, *propinquus* p. 25, DJAKONOV 78.—*L. antarcticus* p. 56 pl. vi fig. 4, *kerguelensis* p. 56, JOHN 140.

Lethasterias p. 117 with *L. fusca* p. 118 figs. 105–106, *nanimensis* with subspp. *beringiana*, *chelifera* p. 117, DJAKONOV 78.

Linckia bowieri, MADSEN 169 p. 214 pl. xv fig. 2.

Lonchotaster tartarcus, JOHN 140 p. 53.

Lophaster p. 63 with *L. furcifer* p. 64 fig. 199, *furcilliger* p. 64 figs. 32–35 with forma *vexator* p. 65 figs. 36–37, DJAKONOV 78.

†*Lophidiaster ornatus*, CASEY 31 p. 463.

†*Loriolaster mirabilis*, LEHMANN 156 p. 269 pl. xiii fig. 3, 157 pp. 403, 413 pl. xx fig. 3, pl. xxii figs. 1a–b.

Luidia atlantidea sp. n. West Africa, MADSEN Atlantide Reports 1 1950 pp. 192–198 fig. 5, pl. xvi figs. 1–2; *africana* p. 188 fig. 4, pl. xvi figs. 3–4, *alternata* var. *numidica* p. 206 fig. 9, *L. ciliaris* p. 205 fig. 8, *heterozona* p. 203, *sagamina* var. *aciculata* p. 199 figs. 6–7, *L. sarsi* p. 187, Id.—*L.* p. 33, *L. quinaris* p. 33 with subsp. *bispinosa* p. 34, DJAKONOV 78.—*L. senegalensis*, OLIVEIRA 219 p. 370 fig. 13.

Luidiaster dawsoni ochotensis subsp. n. Okhotsk Sea, DJAKONOV Tabl. anal. Faune U.R.S.S. 34 1950 p. 38; *L. dawsoni* p. 37 fig. 29, *tuberculatus* p. 38 figs. 16–17, 195, Id.

Lysasterias perrieri, joffrei, CLARK 49 p. 337.

Lysastrosoma p. 112 with *L. anthosticta* p. 112 with subsp. *crassispina* p. 112 fig. 104, DJAKONOV 78.

†*Macroporaster* p. 405, *M. nylanderi* p. 406, SPENCER 291.

Marthasterias with *M. glacialis*, DJAKONOV 78 p. 119.—*M. glacialis*, MADSEN 169 p. 220.

†*Mesopalaeaster* with *M. complicatus*, *primus*, *shafferi*, SPENCER 291 p. 407.

†*Metopaster* Sladen 1893, request to place on "Official list of generic names in Zoology," WRIGHT 332.—*M. parkinsoni*, see sub *Goniaster*.

Monachaster umbonatus, TORTONESE 314 p. 31 figs. A–C.

Myxoderma derjugini sp. n. Okhotsk Sea, DJAKONOV Tabl. anal. Fauna U.R.S.S. 34 1950 pp. 104–105 figs. 87, 207.

Narcissia canariensis, MADSEN 169 p. 216 fig. 11.

Nardoa variolata, TORTONESE 314 p. 35.

Nearchaster pedicellaris vagans subsp. n. p. 39, *N. variabilis geminus* subsp. n. p. 40, Okhotsk Sea, DJAKONOV Tabl. anal. Faune U.R.S.S. 34 1950.

†*Nymphaster miocenicus*, ROIG 248 p. 294.

Odontaster meridionalis, validus, CLARK 49 p. 336.

Ophidiaster ophidianus, MADSEN 169 p. 218.

†*Ordoviciaster*, SPENCER 291 p. 405.

Oreaster clavatus, MADSEN 169 p. 212.

†[*Oreaster*] *boysi* Forbes 1848, *ocellatus* Forbes 1848, request to place on "Official list of specific trivial names in Zoology," WRIGHT 332.

Othilie see *Echinaster*.

†*Palasterina maucheri* sp. n. Devonian Germany, LEHMANN N. Jb. Geol. Paläont. 93 p. 408 pl. xxiii fig. 4.

†*Palastropecten*, SPENCER 291 p. 406.

Patiria pectinifera, DJAKONOV 78 p. 62.

Pedicellaster eximius Djakonov 1948 sp. n. [sic] Okhotsk Sea p. 109 figs. 96, 102, *indistinctus* sp. n. Okhotsk Sea p. 107 figs. 97, 101, *magister ochotensis* subsp. n. Okhotsk & Bering Seas pp. 107–108 figs. 94, 99, DJAKONOV Tabl. anal. Faune 34 1950; *orientalis* p. 108 figs. 57, 98, 100, *typicus* p. 106 figs. 8, 95, Id.

Pentaceraster mamillatus, TORTONESE 314 p. 35.

Peribolaster with *P. biserialis*, DJAKONOV 78 p. 76.

Perknaster aurantiacus, CLARK 49 p. 337.

†*Petraster* with *P. angustior* p. 407, *kinahani*, *ramseyensis* p. 405, SPENCER 291.

†*Phillipsaster* gen. n. for type *Salteraster ? coronella* Spencer 1918 Silurian England, SPENCER Geol. Mag. 87 1950 p. 406; *ruthveni* mut. *arisaigensis*, *P. selwyni*, Id. p. 406.

Plutonaster agassizii, rigidus, JOHN 140 p. 55.

Pontaster p. 35 with *P. tenuispinus* p. 36 figs. 11A, 12A, 190, DJAKONOV 78.

Poraniomorpha tumida, DJAKONOV 77 p. 163.—*P. bidens* p. 60, *hispida* p. 59, *tumida* p. 58, DJAKONOV 78.

Poraniopsis p. 84 with *P. inflata* p. 85, DJAKONOV 78.

†*Promopalaeaster meridionalis*, SPENCER 291 p. 407.

†*Protasteracanthion primus*, LEHMANN 157 p. 409 pl. xx fig. 2.

†*Protopalaeaster*, SPENCER 291 p. 405.

Protoreaster lincki, TORTONESE 314 p. 33.

Pseudarchaster ornatus sp. n. Okhotsk Sea, DJAKONOV Tabl. anal. Faune U.R.S.S. 34 1950 pp. 45–46 figs. 92–93; *parelii*, Id. p. 44 figs. 11B, 184.—*P. brachyactis*, MADSEN 169 p. 211 fig. 10.

Psilaster charcoti, CLARK 49 p. 336.—*P. p.* 30 with *P. andromeda* p. 31, *pectinatus* p. 31 fig. 191, DJAKONOV 78.—*P. cassiope*, MADSEN 169 p. 187.

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Remaster gourdoni, CLARK 49 p. 337.

†*Salteraster*, SPENCER 291 p. 406.

†*Schuchertia junori*, SPENCER 291 p. 407.

†*Siluraster* with *S. caractaci, perfectus* (lectotype selected), SPENCER 291 p. 406.

Solaster p. 65 with *S. dawsoni* p. 69 fig. 23, *endeca* p. 67, *glacialis* p. 68, *intermedius* p. 70, *pacificus* p. 67, *paxillatus* p. 70 fig. 24, *stimpsoni* p. 68, *syrtensis* p. 69, DJAKONOV 78.

†*Stauranderaster* Spencer 1907, request to place on "Official list of generic names in Zoology," WRIGHT 332.—*S. boyi*, see sub *Oreaster*.—*S. sanchezi*, ROIG 248 p. 295.

Stephanasterias p. 120, *albula* p. 121 fig. 206, DJAKONOV 78.

Tethyaster subinermis, MADSEN 169 p. 186.

†*Tholaster* Spencer 1913, request to place on "Official index of rejected and invalid generic names in Zoology," WRIGHT 332.

†*Tholasterina* Valette 1915, request to place on "Official index of rejected and invalid generic names in Zoology," WRIGHT 332.

Thrissacanthias bispinosus sp. n. Okhotsk Sea, DJAKONOV Tabl. anal. Faune U.R.S.S. 34 1950 pp. 29-30.

Trophodiscus almus, *uber*, DJAKONOV 77 p. 170 fig. 4.—*T.* p. 25 with *T. almus* p. 26, *uber* p. 26 fig. 185, DJAKONOV 78.

Tylaster willei, DJAKONOV 78 p. 60 fig. 6.

†*Uranaster*, SPENCER 291 p. 405.

†*Ulrichaster* gen. n. for type *Urasterella ulrichi* Schuchert 1915 Ordovician U.S.A., SPENCER Geol. Mag. London 87 1950 p. 406; *biradialis*, *gutterfordensis*, Id. p. 406.

†*Urasterella asperula*, LEHMANN 156 pp. 269, 271 pl. xii figs. 2, 4, pl. xiii fig. 1; 157 pp. 403, 406-408 pl. xx fig. 1, pl. xxi fig. 1a-b, pl. xxii fig. 2, pl. xxiii fig. 2.—*U.*, SPENCER 291 p. 406.

Urasterias p. 113 with *U. lincki* p. 114 fig. 115, DJAKONOV 78.

†*Valettaster ocellatus* see sub *Oreaster*.—V. Lambert 1914, request to place on "Official list of generic names in Zoology," WRIGHT 332.

†*Yarravaster* gen. n. for type *Caractacaster yarrensis* Withers & Keeble 1934 Silurian Australia, SPENCER Geol. Mag. 87 1950 p. 408; *Y. parviusculus*, Id. p. 407.

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Amphilepis diastata sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1942 pp. 6-8 fig. 2.

Amphioplus iuxta pp. 168-170 fig. 1, *platyacanthus* pp. 170-172 fig. 2, spp. n. Caroline Islands, MURAKAMI J. Dep. Agric. Kyūsyū 7 1943.—*A. diacritus* pp. 225-227 fig. 1, *miyadii* pp. 227-229 fig. 2, spp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1943.

Amphipholis tetracantha sp. n. Japan, MATSUMOTO Sci. Rep. Tōhoku Univ. (4) Biol. 16 1941 pp. 336-338 fig. 5; *kochii*, Id. p. 338 fig. 6.

Amphiura abernethyi sp. n. New Zealand, FELL Zool. Publ. Victoria Univ. Coll., Wellington No. 13 pp. 1-3 figs. 1-4; *A. norae*, Id. p. 1.—*A. sinicola* sp. n. Japan, MATSUMOTO Sci. Rep.

Tōhoku Univ. (4) Biol. 16 1941 pp. 339-342 fig. 7.—*A. kandai* pp. 11-12 fig. 3, *leptobrachia* pp. 12-13 fig. 4, *macraspis* pp. 14-16 fig. 5, *megapoma* pp. 16-17 fig. 6, *pachybactra* pp. 17-19 fig. 7, spp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1942.—*A. crossota* pp. 172-173 fig. 3, *leptolepis* pp. 174-175 fig. 4, *macroscytalia* pp. 176-177 fig. 5, spp. n. Caroline Islands, MURAKAMI J. Dep. Agric. Kyūsyū 7 1943.—*A. algida*, *belgicae*, CLARK 50 p. 27.—*A. syntaracha*, MURAKAMI 211 p. 266 fig. 2.

†*Amphiura* ? *senonensis*, RASMUSSEN 240 p. 50 figs. 4-5.

Aspidophiura uniumbonata sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1942 pp. 21-22 fig. 8.

†*Asteronyx* ? *ornatus*, *simplex*, RASMUSSEN 240 p. 52.

Asteroschema yaeyamensis sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1944 pp. 246-247 fig. 11.

Astroboa arctos, MURAKAMI 211 p. 262 pl. i figs. 2-3.

Astrocanemum herrerae p. 302 figs. 43-44, *spinosum* p. 306 figs. 45-46, CASO 32.

Astroceras calix pp. 241-243 figs. 5-6, *coniunctum* pp. 243-244 figs. 7-8, *paucispinum* pp. 244-246 figs. 9-10, spp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1944.—*A. annulatum*, regeneration in, YAMAZI 337 p. 184.

Astroglymma sculptum, MURAKAMI 211 p. 263 fig. 1, pl. i fig. 1.

Astrophium marionae sp. n. S. California, ZIESENHENNE Bull. S. Calif. Acad. Sci. 50 pp. 25-33 pl. xiii figs. 1-2.

†*Bundenbachia beneckeae*, LEHMANN 156 p. 268 pl. xii fig. 1, pl. xiii fig. 4, 157 pp. 403, 409-410, pl. xix figs. 1-2, 5, pl. xxiv fig. 1, pl. xxv figs. 2-3.

Diopederma danianum, CASO 32 p. 273 figs. 29-30.

†*Eophiura* with *E. bohémica*, SPENCER 292 p. 113 figs. 19-23, pl. 6 figs. 46-49, pl. 7 figs. 50-53, pl. 8 figs. 56-57.

†*Eospondylus primigenius*, LEHMANN 157 p. 413 pl. xix fig. 4, pl. xxiii fig. 1.

†*Euzonosoma tischbeinianum*, LEHMANN 156 p. 272 pl. xii fig. 3, 157 p. 408 pl. xxiv fig. 2.

†*Furcaster decheni*, LEHMANN 156 p. 272 pl. xiii fig. 2.—*F. decheni* p. 411 pl. xxiv fig. 3, *palaeozoicus* p. 411 pl. xxi fig. 2, pl. xxv fig. 1, LEHMANN 157.

†*Mastigophiura grandis* gen. n., sp. n. Devonian Germany, LEHMANN N. Jb. Geol. Paläont. 93 pp. 410–411 pl. xxiii fig. 3.

Ophiacantha mitsuii sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1942 pp. 3–5 fig. 1.—*O. disjuncta*, CLARK 50 p. 26.

†*Ophiacantha* ? *danica* sp. n. Cretaceous Denmark, RASMUSSEN Medd. dansk. geol. Foren. 12 pp. 52–53 fig. 6; *O.* ? sp., Id. p. 56 fig. 8.

Ophiactis savignyi p. 287 figs. 37–39, *simplex* p. 293, CASO 32.—*O. modesta*, *savignyi*, regeneration in, YAMAZI 337 p. 184.

Ophiarachna ohshimai sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1943 pp. 211–213 fig. 1.

Ophiarachnella differens sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1944 pp. 270–272 fig. 3.—*O. gorgonia*, MURAKAMI 207 p. 187 fig. 9.

†*Ophiaulax decheni*, SCHMIDT 272 p. 170 fig. 1.

Ophiobrachion hamispinum sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1944 pp. 239–241 figs. 3–4.

Ophiobyrsa strictima sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1944 pp. 238–239 figs. 1–2.

Ophioclastus gen. n. for type *O. hatai* sp. n. Caroline Islands, MURAKAMI J. Dep. Agric. Kyūsyū 7 1943 pp. 190–191 fig. 11.

Ophiocnemis marmorata, GRAVELY 107 p. 86 fig. 29, 2.

Ophiocoma latilanza sp. n. Caroline Islands, MURAKAMI J. Dep. Agric. Kyūsyū 7 1943 pp. 194–195 fig. 13; *pica*, Id. p. 196 fig. 14.—*O. aethiops* p. 227 figs. 3–6, *alexandri* p. 235 figs. 7–10, CASO 32.—*O. scolopendrina* p. 38, *valenciae* p. 39, TORTONESE 314.

Ophiocrasis thryptica sp. n. Caroline Islands, MURAKAMI J. Dep. Agric. Kyūsyū 7 1943 pp. 192–193 fig. 12.—*O. latens* sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1944 pp. 275–276 fig. 5.

Ophiocryptus pacificus sp. n. Caroline Islands, MURAKAMI J. Dep. Agric. Kyūsyū 7 1943 pp. 188–189 fig. 10.—*O. granulatus*, CASO 32 p. 277.

Ophiocten megaloplax, CLARK 50 p. 29.

Ophioderma apressum p. 249 figs. 15–18, *cinereum* p. 243 figs. 11–14, *panamense* p. 254 figs. 19–20, *teres* p. 258 figs. 21–24, *variegatum* p. 265 figs. 25–28, CASO 32.

†*Ophioderma torrii* sp. n. Jurassic Italy, DESIO Riv. ital. Paleont. Milano 57 pp. 67–74 figs. 5–6, pl. iii figs. 1–4.

Ophiolepis cardioplax sp. n. Caroline Islands, MURAKAMI J. Dep. Agric. Kyūsyū 7 1943 pp. 181–183 fig. 7.—*O. variegata*, CASO 32 p. 278 figs. 31–32.

Ophiomastix palaoensis sp. n. Caroline Islands, MURAKAMI J. Dep. Agric. Kyūsyū 7 1943 pp. 199–200 fig. 17; *asperula* p. 197 fig. 15, *caryophyllata* p. 198 fig. 16, Id.

Ophiomastus ludwigi, CLARK 50 p. 27 figs. 1–2.

Ophiomitrella ikedai sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1944 pp. 249–250 fig. 12.

Ophiomoeris pentagona sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1944 pp. 252–254 fig. 13.

†*Ophiomusium stephensoni* p. 55 fig. 9, *subcylindricum* p. 50, *O.* ? sp. figs. 1–2, RASMUSSEN 240.

Ophiomyxa australis, MURAKAMI 210 p. 237.

Ophionereis aplacophora sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1943 pp. 215–217 fig. 2.—*O. dictyota*, CASO 32 p. 223 figs. 1–2.—*O. dubia*, TORTONESE 314 p. 38.

Ophionotus victoriae, CLARK 50 p. 29.

Ophiopholis mirabilis, MATSUMOTO 174 p. 332 fig. 1, pls. xxi–xxiii.

Ophiophragmus japonicus var. *parvus* var. n. Japan, MATSUMOTO Sci. Rep. Tōhoku Univ. (4) Biol. 16 1941 pp. 334–336 figs. 3–4; *O. japonicus*, Id. p. 333 fig. 2.

Ophiostegastus gen. n. p. 272 for type *O. instratus* sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1944 pp. 273–274 fig. 4; *pacificus*, Id. p. 274.

Ophiosteira senoqui, CLARK 50 p. 29.

Ophioteresis beauforti sp. n. E. Africa, ENGEL Bijdr. Dierk. 28 1949 pp. 140-143 figs. 1-2.

Ophiothela danae, regeneration in, YAMAZI 337 p. 184.

Ophiothrix scotiosa sp. n. Caroline Islands, MURAKAMI J. Dep. Agric. Kyūsyū 7 1943 pp. 178-180 fig. 6.—*O. rudis* p. 295, *spiculata* p. 297 figs. 40-42, CASO 32.—*O. fragilis* with. subspp. *echinata*, *lusitanica* and *pentaphyllum*, COSTA 59.—*O. marenzelleri*, MATSUMOTO 174 p. 342 fig. 8.—*O. vetusta*, MURAKAMI 210 p. 254 fig. 14.—*O. hirsuta*, TORTONESE 314 p. 37.

Ophiotylos gen. n. p. 183 for type *O. leucus* sp. n. Caroline Islands, MURAKAMI J. Dep. Agric. Kyūsyū 7 1943 pp. 184-185 fig. 8.

Ophiozona oedilepis sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1942 pp. 29-31 fig. 11.—*O. pacifica*, CASO 32 p. 281 figs. 33-36.

Ophiozonoida innominata sp. n. Australia, CLARK Ann. Mag. Nat. Hist. (12) 4 pp. 1261-1263 pl. xxi figs. 1-3.

Ophiura rouchi p. 28, *serrata* p. 27 figs. 3-4, CLARK 50.—*O. kinbergi* p. 343 fig. 9, *sarsii* p. 343 fig. 10, MATSUMOTO 174.

†*Ophiura elegantoides* sp. n. Cretaceous Argentina, FURQUE & CAMACHO Rev. Assoc. Geol. Argentina 4 1949 p. 277 pl. i fig. 1.—*O. ? hagenowi* p. 51, *serrata* p. 50, cf. *serrata* p. 56 fig. 7, *substriata* p. 52 fig. 3, RASMUSSEN 240.

†*Ophiurina lymani*, LEHMANN 156 p. 269.

Ophiurodon acanthophora sp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1942 pp. 31-33 fig. 12.

Ophiurolepis gelida p. 28, *martensi* p. 29, CLARK 50.

Palaeura with *P. neglecta*, SPENCER 292 p. 118 figs. 24, 26A, 27B.

†*Pradesura* gen. n. for type *Palaeura jacobii* Thoral 1935 Ordovician France, SPENCER Phil. Trans. London 2353 pp. 111-113 fig. 17, pl. 5 figs. 41-45.

†*Pseudaspidura* gen. n. with *P. hungarica* sp. n. Oligocene Hungary, KOLOS-VÁRY Palaeont. Z. 22 1941 pp. 307-309 figs. 1-3.

Stegophiura liodisca pp. 23-25 fig. 9, *rhabdotoplax* pp. 25-27 fig. 10, spp. n. Japan, MURAKAMI J. Dep. Agric. Kyūsyū 7 1942.

†*Urosoma ? bakeri, parvus*, SPENCER 291 p. 407.

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†*Brachialia* gen. et sp. indet., SIEVERTS-DORECK 277 p. 138 figs. 4-5, p. 141.

†*Columnal* 1 p. 240 pl. i fig. 40, 2 p. 240 pl. i fig. 41, GILL 96.

†*Radiale*, gen. et sp. indet., SIEVERTS-DORECK 277 p. 141 fig. 8.

†*Crinoid* indet., TERMIER & TERMIER 309 pl. ccxvi figs. 12-16, pl. ccxix figs. 5, 17-20, 26, 32-33, pl. ccxx figs. 1-4, pl. ccxxvii fig. 27.

†*Crinoidea ?*, indet., TERMIER & TERMIER 309 pl. ccviii figs. 22, 29-31, 33-35, pl. ccx figs. 16, 19-21, pl. ccxi figs. 29-32, 35-36, 39-41, 45-48, pl. ccxii figs. 9, 12-13, pl. ccxiii figs. 14-15, 30-33, pl. ccxv figs. 12-16, 19-20, pl. ccxvi figs. 17-22, pl. ccxvii fig. 16, pl. ccxviii figs. 15-17, 53, pl. ccxix figs. 1, 7-16, 24-25, 27-28, 34, pl. ccxx figs. 8-33, pl. ccxxi figs. 15-18, pl. ccxxiii figs. 10-18, 22-26, pl. ccxxiv figs. 1-31, 36-45, pl. ccxxv figs. 4-5, 10-11, 17-28, pl. ccxxvi figs. 7-8, 10-16, 18-22, 30-33, pl. ccxxvii figs. 7-10, 18, pl. ccxxviii figs. 17-19, 27-28, pl. ccxxxi figs. 3-10, 12.

†*Abrotocrinus ornatus* sp. n. Carboniferous Morocco, TERMIER & TERMIER Notes Mem. Serv. Carte géol. Maroc 79 1950 pp. 91, 100 pl. ccxxi figs. 9-14 ; *A. sp.*, Id. p. 91 pl. ccxviii figs. 27-30.—*A. angustatus*, WRIGHT 333 p. 69 figs. 34-36, pl. xxxi figs. 3, 6-9.

†*Acanthocrinus gracilior* p. 366, *gregarius* p. 367, *longispina* p. 364 figs. 1-3, SIMON 283.

†*Acrocrinus expansus* sp. n. Carboniferous U.S.A., STRIMPLE J. Wash. Acad. Sci. 41 pp. 192-194 figs. 1, 17-20.

†*Actinocrinus skourensis* sp. n. Carboniferous Morocco, TERMIER & TERMIER Notes Mem. Serv. Carte géol. Maroc 79 1950 pp. 84, 100 pl. ccviii fig. 36 ; *stellaris*, Id. p. 84 pl. ccviii fig. 32, pl. ccxii figs. 7-8, pl. ccxiv figs. 1-8, 14-16.

†*Adunata*, genus undet., TERMIER & TERMIER 309 pl. ccx fig. 11.

†*Aesiocrinus detrusus* pp. 199–200 pl. xxviii figs. 1–3, *luxuris* pp. 198–199 pl. xxix figs. 7–10, *paucus* pp. 200–201 pl. xxix figs. 1–3, **spp. n.** Carboniferous U.S.A., STRIMPLE Bull. Amer. Paleont. Ithaca **33**.—*A. erectus* **sp. n.** Carboniferous U.S.A., STRIMPLE J. Wash. Acad. Sci. **41** pp. 191–192 figs. 9–12.—*A. tactilis* **sp. n.** Carboniferous U.S.A., STRIMPLE J. Paleont. **25** pp. 375–376 pl. lvi figs. 5–7.

†*Agassizocrinus patulus* **sp. n.** Carboniferous U.S.A., STRIMPLE J. Paleont. **25** pp. 672–673 pl. xcvi figs. 9–10, pl. xcix fig. 12.

Aglaometra p. 107, *incerta* p. 114, *propinqua* p. 116 pl. xv fig. 47, *sulcata* p. 118 pl. xiii fig. 40, *valida* p. 109 pl. xii fig. 37, pl. xiii figs. 38–39, CLARK **48**.

†*Allagecrinus bassleri* subsp. *nodosus* p. 204 pl. xxxvii figs. 1–4, subsp. *status* p. 204 pl. xxxvii figs. 5–8, **subsp. n.** Carboniferous U.S.A., STRIMPLE J. Paleont. **25**.

†*Allosocrinus porus* **sp. n.** Carboniferous U.S.A., STRIMPLE Bull. Amer. Paleont. Ithaca **33** 1951 pp. 197–198 pl. xxviii fig. 7.

†*Ampelocrinus plumosus* **sp. n.** Carboniferous Scotland, WRIGHT Palaeontogr. Soc. (Monogr.) London **1951** pp. 93–94 pl. xxx fig. 3.

†*Amphipsalidocrinus scissurus*, PECK and CONNELLY **228** p. 415 figs. 5–6.

†*Amphorocrinus rochi*, TERMIER & TERMIER **309** p. 83 pl. cviii figs. 37–41.

†*Anemetocrinus ardrossensis* p. 27 fig. 6, *biserialis* fig. 5, *covensensis* p. 28 fig. 8, *pentonensis* p. 28 fig. 7, WRIGHT **333**.

Antedon mediterranea, MÜLLEGER **203** p. 18 fig. 4.

†*Aphelocrinus exoticus* pp. 292–294 fig. 5, *planus* p. 292 figs. 9–11, **spp. n.** Carboniferous U.S.A., STRIMPLE J. Wash. Acad. Sci. **41**.—*A. ? greenhillensis* **sp. n.** Carboniferous England, WRIGHT Palaeontogr. Soc. (Monogr.) London **1951** p. 47 pl. xxx fig. 1; *A. dilatatus* p. 45 pl. xii figs. 5–6, 9–13, 26, 35, 37, *dunlopi* p. 43 figs. 13–14, pl. xi figs. 1, 5, 9, pl. xiii figs. 2–4, *parvus* p. 46 pl. xii fig. 14, *rosobienensis* p. 46 pl. xii figs. 31–33, *A. sp.* p. 47 pl. xii fig. 4, Id.

†*Apographiocrinus* **sp.**, TERMIER & TERMIER **304** p. 89 pl. ccxii figs. 1–3.

†*Arthroacantha* **spp.**, TERMIER & TERMIER **309** p. 85 pl. ccxiii figs. 16–21, pl. ccxv figs. 21–22, 29, pl. ccxx figs. 5–7, pl. ccxxiv figs. 33–34, 48–49.

†*Aulodesocrinus parvus*, WRIGHT **333** p. 73 fig. 37.

†*Austinocrinus cubensis*, ROIG **248** p. 292.

†*Balanocrinus diaboli* p. 154 pl. i fig. 15, *subbasaltiformis* p. 154 pl. i figs. 19–20, MALARODA **170**.—*B. cubensis*, ROIG **248** p. 291.

†*Blothrocrinid* WRIGHT **333** p. 51 pl. xxvii fig. 2, pl. xxviii fig. 1.

†*Blothrocrinus balconi* **sp. n.** Carboniferous Morocco, TERMIER & TERMIER Notes Mem. Serv. Carte géol. Maroc **79** 1950 pp. 90, 101 pl. ccxviii figs. 18–26.—*B. brevidactylus* p. 38 pl. x fig. 6, *impressus* p. 39 pl. xiii fig. 6, *longidactylus* p. 36 pl. viii figs. 5–6, pl. x figs. 1, 3, *rugosus* p. 39 pl. x fig. 5, WRIGHT **333**.

†*Bollandocrinus* **gen. n.** for type *Poteriocrinus conicus* Phillips 1836 Carboniferous England, WRIGHT Palaeontogr. Soc. (Monogr.) London **1951** p. 62; *B. erectus* **sp. n.** Carboniferous England, Id. p. 64 pl. xiv figs. 11–13; *conicus* p. 63 pl. xiv figs. 1–10, 14–16, *cravenensis* p. 64 pl. xvii fig. 18, Id.

†*Botryocrinus arkonensis* **sp. n.** pp. 31–32 pl. i figs. 14–15, pl. ii figs. 1–8, *reimanni* var. *granilineatus* **var. n.** pp. 30–31 pl. i figs. 12–13, Devonian U.S.A., GOLDRING Bull. Wagner Inst. Sci. Philad. **35** 1950; *B. reimanni*, Id. p. 29 pl. i figs. 1–11.—*B. ? cylindricus*, GOLDRING **100** p. 27 pl. i figs. 1–6.—*B. sp.*, TERMIER & TERMIER **309** p. 88 pl. ccxiii figs. 1–5, pl. ccxxvi figs. 23–24.

†*Bronaughocrinus* **gen. n.** for type *B. figuratus* **sp. n.** Carboniferous U.S.A., STRIMPLE J. Paleont. **25** pp. 671–672 pl. xcix figs. 9–11.

†*Camerata*, genus undet., TERMIER & TERMIER **309** pl. ccx fig. 18, pl. ccxxvi figs. 1–4, pl. ccxxvi figs. 25–29.

Charitometra p. 347, *basicurva* p. 348, *incisa* p. 352, CLARK **48**.

Chlorometra p. 221, *garrettiana* p. 222 pl. xx fig. 64, CLARK **48**.

Chondrometra p. 201, *aculeata* p. 204, *robusta* p. 202 pl. xix fig. 60, *rugosa* p. 206, CLARK **48**.

†*Cibolocrinus* p. 185 with *abyssus* pp. 189–190 pl. xxv figs. 5–6, *conicus* pp. 188–189 pl. xxvi figs. 1–3, *detectus* pp. 190–192 pl. xxv figs. 7–8, *detrusus* p. 190 pl. xxv figs. 1–4, spp. n. Carboniferous U.S.A., STRIMPLE Bull. Amer. Paleont. Ithaca 33; *punctatus* p. 185, *robustus* p. 185 pl. xxvi figs. 6–8, *C. sp.* p. 185 pl. xxvi figs. 4–5, Id.—*C. erectus* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 pp. 203–204 pl. xxxvi figs. 5–7.

†*Clarkeocrinus troosti*, GOLDRING 101 p. 34 pl. ii fig. 10.

†*Conocrinus pyriformis*, MALARODA 170 p. 153.

†*Cosmetocrinus extensus* sp. n. Carboniferous Yorkshire, WRIGHT Palaeontogr. Soc. (Monogr.) London 1950 [1951] pp. 40–41 pl. x fig. 8; *C. sp.* p. 41 pl. x fig. 7, Id.

Cosmiometra p. 41, *C. iole* sp. n. Philippine Islands, CLARK Bull. U.S. nat. Mus. No. 82 I 4c 1950 pp. 61–63 pl. iv fig. 15; *aster* p. 49 pl. vi fig. 21, *conifera* p. 56 pl. iii figs. 10–11, pl. iv fig. 15, *crassicirra* p. 58 pl. x fig. 33, *dasybrachia* p. 47, *delicatula* p. 46 pl. iii fig. 9, *gardineri* p. 63, *leilae* p. 43 pl. v fig. 17, pl. vi fig. 23, *phillippinensis* p. 52 pl. v fig. 16, pl. vi fig. 22, *woodmasoni* p. 60, Id.

†*Craterocrinus skinneri* sp. n. Devonian U.S.A., GOLDRING Circ. N.Y. St. Mus. No. 27 pp. 3–6 pl. i figs. 1–2; *ruedemanni* p. 5 pl. i figs. 4–5, *schoharie* p. 5 pl. i fig. 3, Id.

Crinometra p. 279, *C. brevipinna* with var. *angusta* var. n. pp. 335–338 and var. *pulchella* var. n. pp. 297–298 West Indies, Clark Bull. U.S. nat. Mus. No. 82 I 4c 1950; *C. brevipinna* p. 280 pl. xxx fig. 90, pl. xxxi fig. 93 with vars. *brevipinna* p. 312, *concinna* p. 298, *coronata* p. 320, *diadema* p. 308, *gemmata* p. 318 pl. xxx fig. 92, *gracilis* p. 296, *granulifera* p. 326, *granulosa* p. 325, *inornata* pl. xxxii fig. 98, *insculpta* p. 291 pl. xxxii fig. 99, *laevis* p. 311, *margaritacea* p. 307 pl. xxxi fig. 94, *ornata* p. 323, *pourtalesi* p. 309, *pulchra* p. 334 pl. xxx fig. 91, *spinosa* p. 316, *transversa* p. 301, *tuberosa* p. 303, Id.

†*Crotalocrinites coniforme* p. 13 pl. i figs. 6–9, *rugosus* p. 12 pl. i figs. 1–5, BOUŠKA 28. [*C. coniforme* is given as sp. n., but see Zool. Rec. 85 (5) for 1948 p. 16].

†*Crotalocrinitidae* gen. et sp. indet., BOUŠKA 28 p. 21 pl. iv fig. 5.

Crotalometra p. 89, *C. magnicirra* p. 97, *rustica* p. 92 pl. xi figs. 35–36, pl. xviii fig. 58, *sensitifera* p. 91 pl. xxxii figs. 100–103, CLARK 48.

†*Ctenocrinus pulvinatus* pp. 122–123 pl. ix figs. 1–3, *umbraculum* pp. 123–124 pl. ix figs. 6–7, *unnenbergensis* pp. 124–125 pl. ix figs. 4–5, spp. n. Devonian Germany, LÜTTIG Paläont. Z. 24.

†*Cyathidium* ? sp. (n. sp.?), SIEVERTS-DORECK 278 p. 1 pl. i figs. 1–5.

†“*Cyathocrinites*” *pinnatus*, TERMIER & TERMIER 309 p. 93 pl. ccxiii figs. 22–29.

†*Cyathocrinoidea*, genus undet., TERMIER & TERMIER 309 p. 88 pl. ccxviii figs. 31–32.

†*Cymbiocrinus gravis* sp. n. Carboniferous U.S.A., STRIMPLE Bull. Amer. Paleont. Ithaca 33 pp. 196–197 pl. xxviii figs. 4–6.

Daidalometra p. 23, *D. eurymedon* sp. n. Philippine Islands, CLARK Bull. U.S. nat. Mus. No. 82 I 4c 1950 pp. 24–25; *arachnoides* p. 25 pl. iii fig. 12, *hana* p. 27 pl. iv fig. 13, Id.

†*Decadocrinus trymensis* sp. n. Carboniferous England, WRIGHT Palaeontogr. Soc. (Monogr.) London 1951 pp. 60–62 pl. xiii fig. 7; *fifensis* p. 59 figs. 21–33, pl. xii figs. 22, 36, *D.?* sp. 1 p. 62 pl. xiii fig. 9, *D.?* sp. 2 p. 62 pl. xiii fig. 8, Id.

Decametra durbanensis sp. n. E. Africa, CLARK Ann. Mag. Nat. Hist. (12) 4 pp. 1265–1267 fig. 4.

†*Delocrinus* sp., STRIMPLE 295 p. 200 pl. xxxvi figs. 1–4.

†*Dendrocrinoidea*, genus undet., TERMIER & TERMIER 309 p. 88 pl. ccviii figs. 16–21, 23–24, pl. ccxv figs. 17–18, pl. ccxvi figs. 7–8, pl. ccxxii figs. 23–24, pl. ccxxiii figs. 2–3, pl. ccxxv figs. 12–16, pl. ccxxvi figs. 5–6, pl. ccxxviii figs. 15–16, 20–24.

†*Derbiocrinus* gen. n. for type *D. diversus* sp. n. Carboniferous Scotland, WRIGHT Palaeontogr. Soc. (Monogr.) London 1951 pp. 79–81 pl. xiv figs. 19–24.

†*Desmidocrinus salagastianus* sp. n. Cambrian Argentina, RUSCONI An. Soc. cient. argent. 152 pp. 256–257.

†*Diamenocrinus* sp., TERMIER & TERMIER 309 p. 83 pl. ccxix fig. 4.

†*Dichocrinus* cf. *radiatus* p. 85 pl. ccxvii fig. 15, *D.* sp. pl. ccxiv fig. 9, TERMIER & TERMIER 309.—*D.* cf. *expansus*? see *Entrochus* sp. C.; *D.* sp.? see *Entrochus* sp. D.

†*Dicromyocrinus optimus* sp. n. Carboniferous U.S.A., STRIMPLE Bull. Amer. Paleont. Ithaca 33 pp. 193–195 pl. xxvii figs. 1–4.—*D. periodus* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 p. 375 pl. lvi figs. 1–4.—*D. geminatus*, WRIGHT 333 pl. xii figs. 23–25.

†*Dinotocrinus alvestonensis* sp. n. Carboniferous England pp. 71–72 pl. xiii fig. 5, *eirensis* sp. n. Carboniferous Eire pp. 70–71, pl. xiii fig. 1, *D. pergracilis* sp. n. Austin ms., Carboniferous England p. 72 pl. xxx fig. 8, WRIGHT Palaeontogr. Soc. (Monogr.) London 1951.

†*Diplobathra*, genus undet., TERMIER & TERMIER 309 pl. ccx figs. 13–15, 17, pl. ccxxiii figs. 4–7, 8–9?, pl. ccxxiv figs. 35, 46–47, 50–51.

†*Dolotocrinus bethaniensis* sp. n. [nom. n. for *D. springeri* Goldring 1936 non *D. springeri* Rowley 1903] Devonian U.S.A., GOLDRING Bull. Wagner Inst. sci. Philad. 25 1950 p. 33 pl. ii fig. 9.

†*Eireocrinus* gen. n. for type *E. ornatus* sp. n. Carboniferous Ireland, WRIGHT Palaeontogr. Soc. (Monogr.) London 1951 p. 102 pl. xxxi fig. 2.

†*Encrinites* cf. *laetus* p. 93 pl. ccxix fig. 1, cf. *nympharum* p. 93 pl. ccxix fig. 6, TERMIER & TERMIER 309.

†*Entrochus* sp. A p. 129 pl. ix fig. 9, sp. B p. 130 pl. ix fig. 8, sp. C (ex aff. *Dichocrinus* cf. *expansus*) p. 135, sp. D (*Dichocrinus* sp.?) p. 136, sp. E p. 136 fig. 3, pl. ix fig. 11, sp. F (ex aff. *Hydreocrinus ratingensis*) p. 139 fig. 7, sp. G p. 142, sp. H p. 142 pl. viii fig. 11, SIEVERTS-DORBECK 277.

†*Erisocrinus lustrum* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 pp. 373–374 pl. lvi figs. 8–10.—*E. carloensis*, WRIGHT 333 p. 101 pl. xxx figs. 11–12.—*E.* sp., TERMIER & TERMIER 309 p. 90 pl. ccxvii figs. 19–21.

†*Euonychocrinus subservire* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 pp. 206–207 pl. xxxviii figs. 3–4, pl. xxxix figs. 3–4, 11.

†*Eupachyocrinus modernus* sp. n. Carboniferous U.S.A., STRIMPLE J. Wash. Acad. Sci. 41 pp. 291–292 figs. 6–8.—*E. macneanensis* pp. 91–92 pl. xxxi figs. 12, 14, *vapidus* pp. 92–93 fig. 41, pl. xxx figs. 7, 13, spp. n. Carboniferous Ireland, WRIGHT Palaeontogr. Soc. (Monogr.) London 1951.

†*Fifeocrinus* gen. n. p. 41 for type *Pachyocrinus tielensis* Wright 1936 Carboniferous Scotland, WRIGHT Palaeontogr. Soc. (Monogr.) London 1950 1951 pp. 42–43 figs. 11, 12, pl. xi figs. 2–4, 6, 8.

†*Flexibilia*, genus undet., TERMIER & TERMIER 309 pl. ccxiii figs. 34–35, pl. ccxv figs. 23–28, pl. ccxvii figs. 3–4, pl. ccxix fig. 6, figs. 29–31, 35–39.

Florometra mawsoni, CLARK 49 p. 335.

†*Forthocrinus lepidus*, WRIGHT 333 p. 72.

†*Gennaeocrinus kentuckiensis*, GOLDRING 99 p. 1 pl. i figs. 1–3.—*G. nyssa*, GOLDRING 101 p. 34 pl. ii fig. 11.—cf. *G.* sp., TERMIER & TERMIER 309 pl. ccxix figs. 2–3, pl. ccxxvi fig. 17.

†*Gilbertocrinus spinigerus*, GOLDRING 101 p. 35 pl. ii figs. 12–14.

†*Gissocrinus lucentus* sp. n. Silurian England, RAMSBOTTOM Ann. Mag. nat. Hist. (12) 4 pp. 494–496 figs. 6–7, pl. ix figs. 5–8; *squamiferus* p. 491 figs. 2–5, pl. ix figs. 1–4, Id.—*G.?* *salagastensis* sp. n. Cambrian Argentina, RUSCONI An. Soc. cient. argent. 152 p. 257.

†*Glaukosocrinus* gen. n. for type *Malaiocrinus parvisculus* Moore & Plummer 1940 Carboniferous U.S.A., STRIMPLE J. Wash. Acad. Sci. 41 p. 191 figs. 13–16.

Glyptometra p. 227, *angusticalix* p. 263, *annae* [nom. nud.] p. 238, *crassa* p. 237 pl. xxi fig. 68, *distincta* p. 249 pl. xxiii figs. 70–72, pl. xxiv fig. 73, *hector* [nom. nud.] p. 239, *inaequalis* p. 243, *invenusta* p. 275 pl. xxix fig. 89, *investigatoris* p. 254 pl. xxiv figs. 74–75, pl. xxv figs. 76–78, *lata* p. 272 pl. xxviii figs. 84–86, pl. xxix fig. 88, *lateralis* p. 276 pl. xxix fig. 87, *levigata* p. 271 pl. xxvii figs. 82–83, *macilenta* p. 259 pl. xxv figs. 79–81, *sclateri* p. 268, *septentrionalis* p. 246, *sparksi* p. 266, *timorensis* p. 230 pl. xxi figs. 66–67, *tuberosa* p. 232 pl. xxii fig. 69, *G.* sp. p. 278, CLARK 48.

†*Graphiocrinus bridgeportensis* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 pp. 201-202 pl. xxxvii figs. 9-12.

†*Haplocrinites clio*, TERMIER & TERMIER 309 p. 88 pl. ccxxviii figs. 3-14.

†*Heliosocrinus* gen. n. for type *H. aptonensis* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 pp. 675-676 pl. xviii figs. 3-4, 7-8.

†*Hexacrinus* sp., TERMIER & TERMIER 309 p. 84 pl. cxxi figs. 23-28, 33-34, 37-38.

†“*Homocrinus*” *cylindricus*, GOLD-RING 100 p. 25.

Horaeometra p. 185, *duplex* p. 186 pl. vi fig. 24, CLARK 48.

†*Hydreionocrinus amplus* sp. n. Carboniferous Scotland, WRIGHT Palaeontogr. Soc. (Monogr.) London 1950 1951 & 1951 pp. 84-87 fig. 40, pl. xii figs. 1-3, pl. xvi figs. 1, 3-4, 6, 7?, 8-9, 11?, pl. xvii figs. 1, 3, 5, 10-14, 16-17, 19-20; cf. *amplus* p. 87 pl. xiv figs. 17-18; *artus* p. 88 pl. xii figs. 15-21, 27-29, 34, *balladoolensis* p. 90 pl. xv figs. 9, 11, *formosus* p. 89 pl. xvi figs. 2, 5, 10, *goniodactylus* p. 82 pl. xv figs. 1-3, 13-14, *H. nitidus* p. 90 pl. xv figs. 7, 10, *H. parkinsoni* p. 89 pl. xv figs. 4-6, *verrucosus* p. 91 pl. xv figs. 8, 12, Id.—*H. ratingensis*?, see *Entrochus* sp. F.

†*Hypocrinus* sp., YAKOVLEV 335 p. 577 fig. 1.

†*Hypselocrinus ardrossensis* sp. n. Carboniferous Scotland, WRIGHT Palaeontogr. Soc. (Monogr.) London 1950 1951 pp. 33-34 pl. xi fig. 7; *monensis* p. 32 fig. 10, pl. viii figs. 4, 9, Id.

†*Iberocrinus* gen. n. p. 105 for type *I. multibrachiatus* sp. n. Carboniferous Spain, SIEVERTS-DOBECK Paläont. Z. Berlin 24 pp. 109-111 figs. 2d, 3, pl. viii figs. 1-2.

†*Indocrinus* sp., YAKOVLEV 335 p. 577 fig. iii.

†*Isocrinus anulatus* p. 5 pl. i fig. 2, *dolomiticus* p. 4 pl. i fig. 1, spp. n. Trias Italy, LEONARDI & LOVO Studi Trentini 27 1950.—*I. gocevi* sp. n. Cretaceous Bulgaria, SIEVERTS-DOBECK Paläont. Z. Berlin 24 pp. 72-75 fig. 1a-e.—*I. nicoleti*, HESS 123 p. 215 pl. xi fig. 1.—*I. cf. d'archiaci*, MALABODA 170 p. 153 pl. i fig. 14a-b.

Koehlermetra gen. n. p. 100 for type *Antedon porrecta* Carpenter 1888 Eastern Atlantic, CLARK Bull. U.S. nat. Mus. No. 82 I 4c 1950 pp. 101-105; *flava* p. 105, Id.

Lamprometra palmata, *Myzostoma striata* attached to dorsal surface of, GEORGE 94.

Lecythiocrinus optimus sp. n. Carboniferous U.S.A., STRIMPLE J. Wash. Acad. Sci. 41 p. 194 figs. 6-8.—*L. tubiformis* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 p. 376 pl. lvi figs. 15-16.

Leilametra p. 148, *necopinata* p. 149 pl. xvi figs. 48-49, CLARK 48.

Lissometra p. 88, *L. alboflava* p. 88 pl. xi fig. 34, CLARK 48.

†*Lophocrinus minutus*, HROMADA 129 p. 75 pl. iv fig. 12, 130 p. 8 pl. iv fig. 12.

†*Lyriocrinus britannicus* sp. n. Silurian England, RAMSBOTTOM Ann. Mag. nat. Hist. (12) 3 1950 pp. 653-655 figs. 2a-b, pl. ix figs. 1-4; *L. melissa*, Id. p. 651 figs. 1 a-f.

†*Mantikosocrinus* gen. n. for type *M. castus* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 pp. 673-674 pl. xcvi figs. 11-13.

†*Megaliocrinus exotericus* sp. n. Carboniferous U.S.A., STRIMPLE Bull. Amer. Paleont. Ithaca 33 pp. 192-193 pl. xxvii figs. 5-8.

†*Mespilocrinus*, STRIMPLE 294 p. 184.

†*Metichthyocrinus* sp., TERMIER & TERMIER 309 p. 92 pl. ccxviii figs. 46-52.

Monachometra p. 208, *flexilis* p. 213, *fragilis* p. 219 pl. xx figs. 62-63, *patula* p. 209 pl. xx fig. 61, *robusta* p. 216, CLARK 48.

†*Monobathra*, genus undet., TERMIER & TERMIER 309 pl. cxxi fig. 44, pl. ccxv figs. 8-9, pl. ccxxvi figs. 34-35, pl. ccxxviii figs. 25-26.

†*Monobrachiocrinus* sp., YAKOVLEV 335 p. 577 fig. ii.

†*Mysticocrinus* sp., TERMIER & TERMIER 309 p. 88 pl. ccxvi figs. 9-11.

Oceanometra p. 137, *annandalei* p. 144 pl. xv figs. 45-46, *gigantea* p. 139 pl. xiv fig. 41, *magna* p. 142 pl. xiv figs. 42-43, CLARK 48.

†*Octocrinus inconsueus* p. 414 figs. 1-4, *scissurus* p. 415 figs. 5-8, PECK & CONNELLY 228.

†*Oklahomacrinus regularis* sp. n. Carboniferous U.S.A., STRIMPLE Bull. Amer. Paleont. Ithaca 33 pp. 204–205 pl. xxviii figs. 8–9.

†*Orocrinus* gen. n. p. 119 with type *O. hercynicus* sp. n. Carboniferous Germany, SIEVERTS-DORECK N. Jahrb. Geol. Paläont. Abhandl. 93 pp. 124–126 fig. 1, pl. viii figs. 1–7; *granulosus* p. 129 pl. ix fig. 5, *grundensis* pp. 127–128 pl. ix figs. 1–2, 4, *winterbergensis* pp. 126–127 pl. viii figs. 8–10, pl. ix fig. 3 ?, spp. n. Carboniferous Germany, Id.; *O.?* sp. A p. 130 fig. 2, pl. ix figs. 6–7, *O.?* sp. B p. 134, Id.

†*Pachylocrinus* ? *skinneri* pp. 68–69 pl. xxxi fig. 4, *P.?* *wexfordensis* pp. 66–67 pl. xxxi figs. 1, 10, 13, spp. n. Carboniferous Eire, WRIGHT Palaeontogr. Soc. (Monogr.) London 1951; *P.?* *crassimanus* p. 67 pl. xxxi fig. 11, *P.?* *latifrons* p. 65 pl. xxxi fig. 5, Id.

†*Paianocrinus* gen. n. for type *P. durus* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 pp. 669–670 pl. xcix figs. 6–8; *aptus* sp. n. Carboniferous U.S.A., Id. pp. 670–671 pl. xcix figs. 3–5.

†*Paracomatula* gen. n. for type *P. helvetica* sp. n. Jurassic Switzerland, HESS Ecl. geol. helv. 43 pp. 209–215 figs. 1–12, pl. xi figs. 1–2.

Parametra p. 64, *P. lisa* sp. n. Kei Islands, CLARK Bull. U.S. nat. Mus. No. 82 I 4c 1950 pp. 83–84; *ajax* p. 84 pl. ix fig. 29, *compressa* p. 65 pl. viii fig. 26, *fisheri* p. 86 pl. ix fig. 28, *granulata* p. 69 pl. vii fig. 25, pl. x figs. 31–32, *orion* p. 72 pl. v figs. 19–20, pl. viii fig. 27, pl. x fig. 30, Id.

†*Parulocrinus wallacei* sp. n. Carboniferous Morocco, TERMIER & TERMIER Notes Mem. Serv. Carte géol. Maroc 79 1950 pp. 91, 100 pl. ccxvii figs. 5–14, 17–18, pl. ccxxii figs. 6–8, 14–22; *P.* sp., Id. pl. ccxxii figs. 4–5.

†*Pedinocrinus* gen. n. for type *Pachylocrinus clavatus* Wright 1937 Carboniferous Scotland, WRIGHT Paleontogr. Soc. (Monogr.) London 1951 p. 77 pl. xxx figs. 4, 6.

†*Periechocrinites*, application to designate *P. costatus* Austin & Austin 1843 as type in place of *P. articulatus*; lectotype of *P. costatus* selected, RAMSBOTTOM 237.

†*Perimestocrinus moseleyi* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 p. 205 pl. xxxix figs. 5–10.

†*Pernerocrinus paradoxus* p. 18 fig. 6, pl. iii figs. 1–4, pl. iv figs. 1–3, *P.?* sp. indet. p. 21 pl. iv fig. 4, BOUŠKA 28. [*P. paradoxus* is given as gen. et. sp. n., but see Zool. Rec. 85 (5) for 1948 p. 16].

†*Phacelocrinus rostratus* p. 29 fig. 9, pl. viii figs. 1–3, 7–8, 10, pl. x fig. 4; *P.?* *pentagonus* p. 32 pl. ix, WRIGHT 333.

Phanocrinus irregularis pp. 262–263 figs. 5–9, *modulus* p. 263 figs. 10–12, spp. n. Carboniferous U.S.A., STRIMPLE J. Wash. Acad. Sci. 41.—*P. ornatus* sp. n. Carboniferous Scotland, WRIGHT Palaeontogr. Soc. (Monogr.) London 1951 p. 98 pl. xviii fig. 28, pl. xix figs. 14, 17; *P.?* *altus* p. 101 pl. xvii figs. 2, 4, *ardrossensis* p. 97, *calyx* p. 94 pl. xvii figs. 15, 21, pl. xviii figs. 1–20, 22–23, 29, *gordoni* p. 99 pl. xvii figs. 6–9, 22, 23, pl. xix figs. 11–12, *scoticus* p. 96 pl. xviii fig. 21, *stellaris* p. 98 pl. xviii figs. 24–27, Id.—*P. cylindricus*, STRIMPLE 300 p. 291 fig. 12.—*P.* cf. *formosus*, TERMIER & TERMIER 309 p. 90 pl. ccxxi figs. 1–8.

†*Pirasocrinus invaginatus* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 p. 202 pl. xxxvi figs. 8–11, pl. xxxviii figs. 5–6.

†*Platycrinus* cf. *expansus* p. 86 pl. ccxii figs. 1–6, *P. spinifer elongatus* p. 86 pl. ccxi figs. 1–6, pl. ccxxvi figs. 36–38, *P. spinosus* p. 86 pl. ccxxvi figs. 42–44, *tuberculatus* p. 86 pl. ccxi figs. 10–11, *P.* spp. pp. 86–87 pl. ccxi figs. 7–22, 42–43, pl. ccxii figs. 14–19, pl. ccxv figs. 2–7, 10–11, pl. ccxxvi figs. 39–41, pl. ccxxvii figs. 1–6, 11–17, 19–26, TERMIER & TERMIER 309.—*P.?* sp., SIEVERTS-DORECK 277 p. 134 pl. ix fig. 10.

†*Plazocrinus gloukosensis* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 pp. 374–375 pl. lvii figs. 1–6.—*P. laxus* p. 205 pl. xxxviii figs. 1–2, pl. xxxix figs. 1–2, *oeconomicus* p. 206 pl. xxxviii figs. 7–8, spp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25.

†*Plummericrinus braggisi* sp. n. Carboniferous U.S.A., STRIMPLE Bull. Amer. Paleont. Ithaca 33 pp. 195–196 pl. xxvii figs. 9–12.

Poecilometra p. 354, *acoela* p. 355, *scalaris* p. 359, CLARK 48.

†*Polusocrinus* gen. n. for type *P. avanti* sp. n. Carboniferous U.S.A., STRIMPLE Bull. Amer. Paleont. Ithaca 33 pp. 202–203 pl. xxix figs. 4–6; *rosa* sp. n. Carboniferous U.S.A., Id. pp. 203–204 pl. xxix fig. 11.

†*Poteriocrinus* cf. *conicus* p. 89 pl. ccxviii figs. 37–38, *P. crassus* p. 89 pl. ccxviii figs. 1–5, pl. ccxxiii fig. 1, pl. ccxxv figs. 6–9, pl. ccxxvi fig. 9, *P. spp.* pl. ccxv fig. 1, pl. ccxvi figs. 5–6, pl. ccxviii figs. 6–12, 33–36, pl. ccxxv figs. 1–3, TERMIER & TERMIER 309.

Promachocrinus kerguelensis, CLARK 49 p. 335.

†*Pygmaeocrinus* gen. n. for type *P. kettneri* sp. n. Devonian Bohemia, BOUŠKA Mém. Soc. Sci. Bohême Cl. Sci. 1946 2 1947 pp. 1–4 pl. i figs. 1–4.

†*Rhodocrinus skourensis* p. 83 pl. ccviii figs. 1–4, cf. *verus* p. 83 pl. ccviii figs. 13–15, *R. sp.* pl. ccviii figs. 7–12, 25–28, pl. ccviii figs. 13–14, pl. ccxix figs. 21–23, TERMIER & TERMIER 309.

†*Roveacrinus* sp. (n. sp. ?), SIEVERTS-DORECK 276 p. 97 figs. 1–24.

†*Salagastiana simetrica* gen. n. sp. n. [sic] Cambrian Argentina, RUSCONI An. Soc. cient. argent. 152 p. 257.

†*Schistocrinus ovalis* sp. n. Carboniferous U.S.A., STRIMPLE J. Wash. Acad. Sci. 41 p. 194 figs. 2–5.

†*Schizocrinus* cf. *nodosus*, TERMIER & TERMIER 309 p. 93 pl. ccxxxi fig. 11.

†*Sciadiocrinus humilis* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. Wis. 25 p. 373 pl. lvi figs. 11–14.

†*Scotiocrinus ardrossensis* p. 76, *tyriensis* p. 75 figs. 38–39, *yoredalensis* p. 77, WRIGHT 333.

†*Scyphocrinus elegans*, RODRIGUEZ MELLADO 247 p. 428 pl. xxiii, pl. xxiv figs. 1–2.—*S. elegans* p. 85 pl. ccix figs. 1–13, pl. ccx figs. 1–6, 10, pl. ccxiii figs. 6–13, pl. ccxvi figs. 1–4, *S. sp.* p. 85 pl. ccx figs. 7–9, 12, TERMIER & TERMIER 309.

†*Scytalocrinus astonensis* sp. n. Carboniferous U.S.A., STRIMPLE J. Wash. Acad. Sci. 41 p. 294 figs. 1–4.—*S. loreus* p. 35, *seafieldensis* p. 34 pl. x fig. 2, WRIGHT 333.—*S. sp.* indet.?, SIEVERTS-DORECK 277 p. 140 fig. 6.

†*Stellarocrinus texani* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 pp. 202–203 pl. xxxvii figs. 13–16.—*S. virgilensis* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 p. 675 pl. xviii figs. 1–2, 5–6.

Stenometra p. 7 with *S. dentata* p. 8, *diadema* p. 18 pl. ii fig. 5, *quinquecostata* p. 13 pl. i figs. 2–3, pl. ii figs. 4, 6–7, *snelliusi* p. 12 pl. i fig. 1, CLARK 48.

Stiremetra p. 119, *S. decora* sp. n. New South Wales, CLARK Bull. U.S. nat. Mus. No. 82 I 4c 1950 pp. 134–136 pl. v fig. 18; *acutiradia* p. 132, *breviradia* p. 126, *carinifera* p. 130, *lusitanica* p. 121, *perplexa* p. 129 pl. xiv fig. 44, *spinicirra* p. 136, Id.

Strotometra p. 361, *hepburniana* p. 368 pl. xxxi figs. 95–96, pl. xxxii fig. 104, *ornatissimus* p. 362 pl. xx fig. 65, *parvipinna* p. 365, *priamus* p. 363 pl. xxxi fig. 97, CLARK 48.

†*Stuartwellerocrinus* sp., TERMIER & TERMIER 309 p. 91 pl. ccxxii figs. 9–13.

Stylometra p. 29 with *S. spinifera* p. 30 pl. iii fig. 8, CLARK 48.

†*Synbathocrinus* sp., TERMIER & TERMIER 309 p. 87 pl. ccxviii fig. 39.

†*Syndetocrinus bohemicus* p. 15 fig. 5, pl. ii figs. 1–11, *depressus* p. 18 pl. ii figs. 12–13, BOUŠKA 28. [These 2 spp. are given as spp. n. but see Zool. Rec. 85 (5) for 1948 p. 16.]

†*Taxocrinus* cf. *colletti* p. 92 pl. ccxxiv fig. 32, *T. sp.* p. 92 pl. ccxvii figs. 1–2, pl. ccxviii figs. 40–45, pl. ccxxiii figs. 19–21, TERMIER & TERMIER 309.

†*Telikosocrinus* gen. n. for type *T. caespes* sp. n. Carboniferous U.S.A., STRIMPLE J. Wash. Acad. Sci. 41 pp. 260–261 figs. 1–4; *residuus* sp. n. Carboniferous U.S.A., Id. p. 262 fig. 13.

Thalassometra p. 151, *agassizii* p. 158, *attenuata* p. 163 pl. xvii figs. 53–54, *bispinosa* p. 154, *echinata* p. 176, *electrae* p. 156, *gracilis* p. 173, *hawaiiensis* p. 170, *hirsuta* p. 165 pl. xviii fig. 59, *latipinna* p. 171, *margaritifera* p. 168 pl. xvii fig. 55, *marginata* p. 168, *multispina* p. 180, *omissa* p. 184, *peripolos* p. 178 pl. xviii figs. 56–57, *setosa* p. 182, *villosa* p. 162 pl. xvii figs. 50–52, *T. sp.* p. 185, CLARK 48.

†*Tholocrinus foveatus* sp. n. Carboniferous U.S.A., STRIMPLE J. Paleont. 25 pp. 674–675 pl. xcix figs. 1–2.

†*Timorocidaris* p. 360, cf. *fusiformis* p. 360 figs. 1a-c, *T. sphaeracantha* p. 363 figs. 2-3, WANNER 327.

†*Triacrinus* gen. n. for type *T. paradoxus* sp. n. Carboniferous Morocco, TERMIER & TERMIER Notes Mem. Serv. Carte géol. Maroc 79 1950 pp. 84, 100 pl. ccxiv figs. 10-13.

†*Tyriocrinus laxus*, WRIGHT 333 pl. xix figs. 5-7, 15-16, 18-22.

†*Tythocrinus comptus*, PECK & CONNELLY 228 p. 415 figs. 7-8.

†*Ureocrinus bockschii* pl. xix figs. 1-4, 8-9, *doliolus* pl. xix figs. 10, 13, *U.?* sp. pl. xii figs. 7-8, WRIGHT 333.

†*Woodocrinus fimbriatus* sp. n. de Koninck ms., Carboniferous England p. 58 pl. xxxvi fig. 2, *pentonensis* sp. n. Carboniferous Scotland pp. 56-57 pl. xxvi figs. 3-4, WRIGHT Palaeontogr. Soc. (Monogr.) London 1951; *decodactylus* p. 58, *expansus* p. 55 pl. xxi fig. 2, pl. xxvii figs. 1, 3-4, pl. xxviii figs. 2-4, pl. xxix figs. 1-3, *gravis* p. 53 figs. 16-20, pl. xxv figs. 2-9; *liddesdalensis* p. 52 pl. xxii figs. 1-3, pl. xxiii figs. 1-2, pl. xxiv fig. 1, pl. xxv fig. 1, pl. xxvi figs. 1-2, pl. xxx fig. 10, *W.?* *longidactylus* p. 59 pl. xxix fig. 2, *W. macrodactylus* p. 48 fig. 15, pl. xx figs. 1-4, pl. xxi figs. 1, 3, pl. xxiii figs. 3-5, pl. xxiv figs. 2-3, 5, pl. xxvii fig. 1, pl. xxviii figs. 3-4, pl. xxix fig. 4, pl. xxx figs. 2, 5, 9, *whytei* p. 57 pl. xxiv fig. 4, pl. xxvi fig. 5, pl. xxxi fig. 15, Id.

†MACHAERIDIA

Lepidocoleus sp., TERMIER & TERMIER 309 p. 105 pl. ccxxxiv figs. 6-7.

†EOCRINOIDEA

Batherocystis gen. n. for type *B. appressa* sp. n. Ordovician U.S.A., BASSLER J. Wash. Acad. Sci. 40 1950 p. 274 figs. 4-5.

Columbocystis gen. n. for type *C. typica* sp. n. Ordovician U.S.A., BASSLER J. Wash. Acad. Sci. 40 1950 pp. 273-274 figs. 1-2.

Forstercystis gen. n. for type *F. obliqua* sp. n. Ordovician U.S.A., BASSLER J. Wash. Acad. Sci. 40 1950 p. 274 figs. 11-12.

Springerocystis gen. n. for type *S. longicollis* sp. n. Ordovician U.S.A., BASSLER J. Wash. Acad. Sci. 40 1950 p. 273 fig. 3.

†PARACRINOIDEA

Billingsocystis gen. n. for type *B. invaginata* sp. n. Ordovician U.S.A., BASSLER J. Wash. Acad. Sci. 40 1950 p. 274 fig. 17.

Schuchertocystis gen. n. for type *S. radiata* sp. n. Ordovician U.S.A., BASSLER J. Wash. Acad. Sci. 40 1950 pp. 275-276 figs. 13-14.

Sinclairocystis gen. n. for type *S. praedicta* sp. n. Ordovician U.S.A., BASSLER J. Wash. Acad. Sci. 40 1950 p. 276 figs. 9-10.

†CYSTIDEA

Gen. et spp. indet., HARRINGTON & KAY 115 p. 667 pl. xvii fig. 14.—HSU & MA 131 p. 42 pl. ix figs. 13-15.—REGNÉLL 242 pp. 21, 35 pl. ii fig. 1, pl. vi figs. 1-6.

Aristocystis gigas pp. 96, 101 pl. ccvii fig. 1, *regularis* pp. 96, 101 pl. ccxxx figs. 3-7, spp. n. Ordovician Morocco, TERMIER & TERMIER Notes Mem. Serv. Carte géol. Maroc 79 1950.

Calix sedgwicki p. 95 pl. ccxxix figs. 1-5, *C.* sp. p. 94 pl. ccxxx figs. 1-2, TERMIER & TERMIER 309.

Cheirocrinus dilatatus sp. n. Ordovician Belgium, REGNÉLL Mém. Inst. roy. Sci. nat. Belg. No. 120 p. 13 pl. i fig. 9; cf. *constrictus*, Id. p. 10 pl. i figs. 1-8.

Corylocrinus? sp., REGNÉLL 242 p. 17 pl. vi fig. 8.

Echinosphaerites barrandei belgicus p. 27 pl. iii figs. 1-4, ? 5-6, *E.* sp. p. 31 pl. v fig. 8, REGNÉLL 242.

Encrinoencrinites senckenbergii vel *senckenbergii*, RICHTER 244 p. 269.

Eucystis spp., TERMIER & TERMIER 309 p. 94 pl. ccxxxi figs. 15-20, pl. ccxxxii figs. 6-8.

Haplosphaeronis proiciens sp. n. Ordovician Belgium, REGNÉLL Mém. Inst. roy. Sci. nat. Belg. No. 120 pp. 31-35 pl. iv figs. 1-7, pl. v figs. 1-7, pl. vi fig. 9.

Heliocrinites malaisei sp. n. Ordovician Belgium, REGNÉLL Mém. Inst. roy. Sci. nat. Belg. No. 120 pp. 25-27 pl. ii figs. 3-7; cf. *helmhackeri* p. 23 pl. ii fig. 2, sp. (group *Plicata*) p. 24 pl. iii fig. 7, Id.

Hippocystis sp., TERMIER & TERMIER 309 p. 96 pl. ccxxix fig. 15.

Pachycalix pachytheca sp. n. Ordovician Morocco, TERMIER & TERMIER Notes Mem. Serv. géol. Maroc 79 1950 pp. 95, 101 pl. ccxxx figs. 8-14, 15 ?

Pleurocystites ? sp. 1 p. 14 pl. i figs. 12-13, sp. 2 p. 16 pl. i fig. 10, sp. 3 p. 16 pl. i fig. 11, REGNÉLL 242.

Pseudoaristocystis dagon, TERMIER & TERMIER 309 p. 96 pl. ccxxix figs. 18, 20-21.

Regnellicystis gen. n. for type *R. typicalis* sp. n. Ordovician U.S.A., BASSLER J. Wash. Acad. Sci. 40 1950 p. 276 figs. 6-8.

Sinocystis segaudi sp. n. Ordovician Morocco, TERMIER & TERMIER Notes Mem. Serv. Carte géol. Maroc 79 1950 pp. 95, 101 pl. ccxxix figs. 6-14; cf. *yunnanensis*, Id. p. 95 pl. ccxxix figs. 16-17.

Sphaeronites cf. *globulus*, TERMIER & TERMIER 309 p. 94 pl. ccxxviii fig. 1.

Sphaeronitidae undet., TERMIER & TERMIER 309 pl. ccxxviii fig. 2.

Strimpecystis gen. n. for type *S. oklahomensis* sp. n. Ordovician U.S.A., BASSLER J. Wash. Acad. Sci. 40 1950 p. 277 fig. 19.

Tomaculum problematicum, TERMIER & TERMIER 309 p. 94 pl. ccxxx fig. 15 (? coprolite of *Pachycalix pachytheca*).

Ulrichocystis gen. n. for type *U. eximia* sp. n. Ordovician U.S.A., BASSLER J. Wash. Acad. Sci. 40 1950 p. 276 fig. 18.

†CARPOIDEA

Gyrocystis cf. *platessa*, TERMIER & TERMIER 309 p. 83 pl. ccvii figs. 4-10, pl. ccxxviii figs. 29-30.

Kirkocystis gen. n. for type *Enopleura* ? *papillata* Bassler 1943, Ordo-

vician U.S.A., BASSLER J. Wash. Acad. Sci. 40 1950 p. 277 figs. 15-16.

†EDRIOASTEROIDEA

Bassleridiscus gen. n. for type *B. mohawkensis* sp. n. Ordovician U.S.A., FISHER J. Paleont. 25 pp. 691-693 figs. 1-2.

†BLASTOIDEA

Angioblastus variabilis, WANNER 328 p. 173 figs. 7-9.

Anthoblastus brouweri, WANNER 328 p. 174 fig. 11.

Asteroblastus spp., TERMIER & TERMIER 309 p. 97 pl. ccvii figs. 2-3, pl. ccxxxi figs. 1-2.

Devonoblastus sp., FISHER 89 p. 369 pl. lv fig. 9.

Dipteroblastus permicus, WANNER 328 p. 173 fig. 5.

Granatocrinus sp., TERMIER & TERMIER 309 p. 98 pl. ccvii figs. 11-14.

Nannoblastus pyramidatus, WANNER 328 p. 173 fig. 6.

Neoschisma verrucosum, WANNER 328 p. 173 fig. 3.

Notoblastus brevispinus, WANNER 328 p. 173 fig. 4.

Nucleocrinus verneuli, WANNER 328 p. 175 fig. 14.

Pentablastus gen. n. p. 113 for type *P. supracarbonicus* sp. n. Carboniferous Spain, SIEVERTS-DORECK Paläont. Z. Berlin 24 pp. 114-117 figs. 4, 6, pl. viii figs. 3-4.

Pentremites sp., TERMIER & TERMIER 309 p. 98.

Pentremitidea touijinensis sp. n. Devonian Morocco, TERMIER & TERMIER Notes Mem. Serv. Carte géol. Maroc 79 1950 pp. 97, 102 pl. ccxxxi figs. 13-14.

Pteroblastus gracilis, WANNER 328 p. 176 fig. 15.

Schizoblastus batheri, WANNER 328 p. 174 fig. 12.

Sphaeroschisma somoholense, WANNER
328 p. 177 fig. 19.

Stephanocrinus angulatus, WANNER
328 p. 182 fig. 21.

Timoroblastus coronatus, WANNER 328
p. 171 fig. 1.

INCERTAE SEDIS

†*Cyclocystoides devonicus* sp. n. Devonian Germany, SIEVERTS-DORECK Senckenbergiana 32 pp. 22-28 figs. 2-3, pl. i figs. 1-3, pl. ii figs. 1-3.

†*Cymbionites craticula* not Echino-

derm, CUÉNOT & TÉTRY 65 p. 568.—*C. craticula*, SCHMIDT 271 p. 142.

†*Eocystites ? lasherensis* sp. n. Cambrian Argentina, RUSCONI An. Soc. cient. argent. 152 p. 257.

†Pelmatozoan indet., types A & B, REGNÉLL 242 p. 37 pl. v figs. 9-10, pl. vi figs. 7-8a.

†*Peridionites navicula* not Echinoderm, CUÉNOT & TÉTRY 65 p. 568.—*P. navicula*, SCHMIDT 271 p. 142.

†*Tomaculum problematicum*. TERMIER & TERMIER 309 p. 94 pl. ccxxx fig. 15, ? coprolite of *Pachycalix pachythea*.